



Matsui Auxiliary Equipments

Dehumidifying Dryers, Hot-Air Dryers, Grinders, Mold

Temperature Controllers, Loaders, Blenders, Solution Items

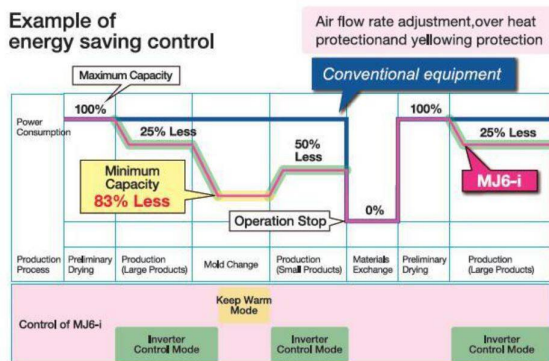
MJ6-i Series

Dehumidifying dryer with a
honeycomb rotor for stable drying



The new MJ6-i is the result of Matsui's constant striving for high standards in treating polymers. It continuously monitors load demands and dials down energy consumption while keeping resin at a consistent -60°C dew point all the way to its core, drying it in a fast way to allow a faster start of process. Furthermore, the built-in self-control option embedded in the equipment "i" (for intelligence) avoids that the drying process gets affected by the outside air temperature and humidity.

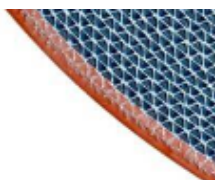
Example of energy saving control



Saving energy, ensuring quality

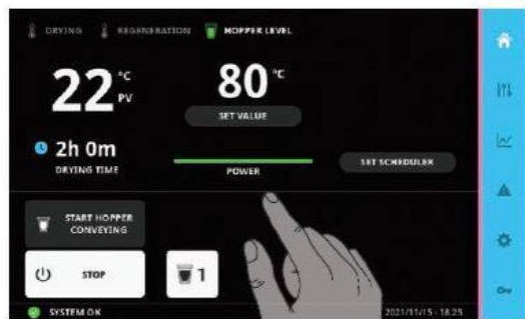
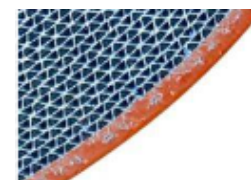
The MJ6-i saves up to 83% energy through the continuous operation method: the resin's temperature drops after drying and the evolution of air flow rate, preventing excessive drying and yellowing of products.

In addition, the regeneration heating air is pre-heated with waste heat, as to reduce the required power consumption.



"Honeycomb" desiccant wheel

Matsui developed the "honeycomb" desiccant wheel technology, perfecting it throughout four decades. The spinning wheel is constantly presenting fresh, thirsty desiccant as moist air travels through every channel. As the wheel travels, "wet" desiccant is dried and ready to absorb moisture again. Engineered to perform maintenance-free, desiccant wheels routinely can hold dew point to -40°C for years.



Intuitive design of the touch-screen

Settings on the new seven-inch touch-screen display present a smoother and simpler design. Thank to this, it's possible to check the drying status, the machine's operating history, and to change the temperature. In addition it has a range of different languages to choose from.

Small unique features



Large, easy-access, hopper door



Front-of-system access for simple routine maintenance



Capture dust with cyclonic filter *before* it reaches the main filter



Easy-clean feed line damper valve

Technical Specifications

Model MJ6-i-		30	50	75	135
Güç Beslemesi	İşlem Devresi	400V 50Hz 3P			
	Sigorta Kapasitesi	30A			50A
Görünür Güç	200V 50/60Hz	6.7kVa	7.2kVa	8.2kVa	13.5kVa
	220V 60Hz	7.3kVa	7.9kVa	9.1kVa	15.3kVa
	230V 60Hz	6.9kVa	7.5kVa	8.8kVa	13.8kVa
	380V 50/60Hz	6.5kVa	7kVa	8.1kVa	13.3kVa
	400V 50/60Hz	6.8kVa	7.4kVa	8.6kVa	14.2kVa
	415V 50/60Hz	7.1kVa	7.7kVa	9kVa	14.9kVa
	460V 60Hz	7.3kVa	7.8kVa	9kVa	14.9kVa
Hava	Basınç	0.5 Mpa			
	Debi	10L/s			
	Çap	6mm			
Çalışma Sıcaklığı		70-160°C/V			
Çiy Noktası					
Hacim		30kg/50L	50kg/85L	75kg/130L	135kg/225L
Kurutma Isıtıcısı Kapasitesi	200V 50/60Hz	2.1kW		2.4kW	5.4kW
	220V 60Hz	2.5kW		2.9kW	6.5kW
	230V 60Hz	2.3kW		2.6kW	5.4kW9
	380V 50/60Hz	2.1kW		2.4kW	5.4kW
	400V 50/60Hz	2.3kW		2.7kW	6kW
	415V 60Hz	2.5kW		2.9kW	6.4kW
	460V 60Hz	2.3kW		2.6kW	5.9kW
Taşıma Fanı Çıkışı		1.1 (50Hz)/1.5 (60Hz)			
Taşıma Mesafesi	Birincil Taraf	10m			
	İkincil Taraf	5m			
Kurutma Fanı		0.28kW		0.42kW	1.15kW
Rejenerasyon Fanı		0.28Kw			0.42Kw
Rejenerasyon Isıtıcısı	200V 50/60Hz	1kW	1.5kW	2.1kW	3.1kW
	220V 60 Hz	1.2Kw	1.8Kw	2.5kW	3.1kW
	230V 60Hz	1kW	1.5kW	2.1kW	3.1kW
	380V 50/60 Hz	1Kw	1.5Kw	2.1kW	3.1kW
	400V 50/60Hz	1.1kW	1.7kW	2.3kW	3.4kW
	415V 50/60Hz	1.2Kw	1.8Kw	2.5kW	3.7kW
	460V 60Hz	1.1kW	1.6kW	2.3kW	3.4kW
Emiş Kulesi Motor Kontrolü		25w			
Kurutma Sıcaklığı Kontrolü		PID kontrollü ısıtıcı, temassız röle			
Rejenerasyon Sıcaklığı Kontrolü		PID kontrollü ısıtıcı, temassız röle			
Zamanlayıcı		Haftanın her günü (Pazartesi'den Pazara) ayrı ayrı ayarlanabilir.			
Harici Kontrol (Başlatma)		Harici gerilimsiz kontak (giriş akımı: 5A)			
Boru Çapı		38mm PVC hortum			
Ağırlık		265kg	275kg	290kg	395kg
Alarm veya Koruma Devresi		Aşırı ısı koruması (kurutma ve rejenerasyon sıcaklığı), fan aşırı yük, kurutma ve rejenerasyon fanı geri dönüşünün önlenmesi.			

MJ3 Series

Drop moisture levels faster.
Start molding sooner

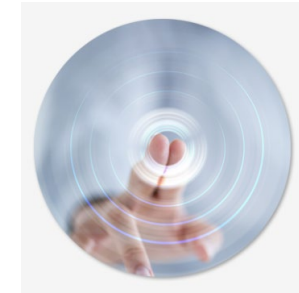


The MJ3 portable desiccant dryer/loader's advanced resin drying technology drops moisture levels in a fraction of the time. Then it keeps resin at a consistent, rock solid -40°C dew point all the way to its core. And it does it faster and more consistently than the competition, so you can start molding faster.



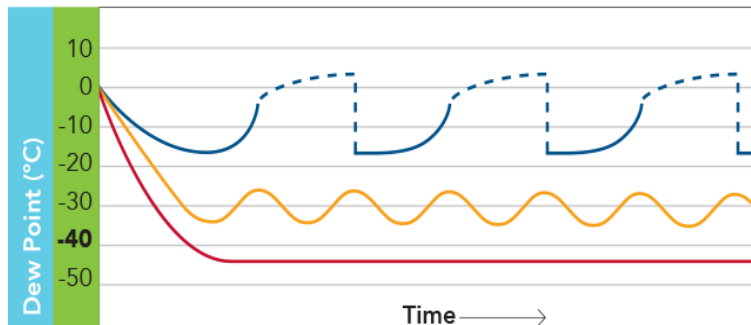
Our "Honeycomb" desiccant wheel.

Matsui took a cue from nature and created the "honeycomb" desiccant wheel technology, then perfected it for decades. The spinning wheel is constantly presenting fresh, thirsty desiccant as moist air travels through every channel. As the wheel travels, "wet" desiccant is dried and ready to absorb moisture again, and again, and again. Engineered to perform maintenance-free for years, desiccant wheels routinely still hold dew-point to -40°C after 15 years.



Intuitive "touch & go" programming.
The simplified controller makes it easy to set up the MJ3 to handle a single or multiple presses.

Resin dries fast. And stays dry.



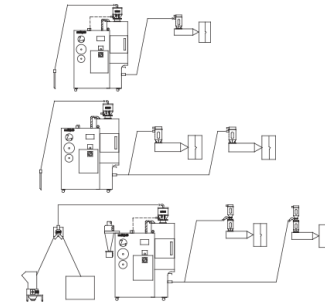
Single tower type dehumidifier

Multi-tower type dehumidifier

Matsui Desiccant Rotor

Matsui's desiccant rotor technology dries resin extremely fast. The desiccant's large area of contact effectively absorbs at high temperatures, drying resin in half the time while stabilizing dew points at a constant -40°C .

Point-to-point dry air conveying.



The MJ3's drying hopper is designed to create mass flow with no short-pass. It is equipped with a programmable loader, which releases measured amounts of resin at specific intervals.

Pellets are conveyed using warm, dry air and delivered for the next loading cycle on a just-in-time schedule. This keeps pellets at the optimum moisture level from dryer to molding machine, maximizing performance.

Extremely versatile, this efficient portable unit can be configured for a single machine, multiple machines, and to receive and dry a blend of regrind and virgin material.

Technical Specifications

Model MJ3	15E	25E	50E	75E	100E	150E	200E	300E
Kurutma Haznesi (kg)	16	26	54	75	102	150	210	300
Hazne Hacmi (L)	28	44	90	125	170	250	350	500
Çiy Noktası (°C)	-40							
Maks. Taşıma Hava Akışı Debisi (m^3/dk)	2.4/2.8							
Sıcaklık Aralığı (°C)	80-160							
Kurutma Fanı (kW)	0.38/0.42		0.9/1.15		1.5/1.75		2.2/1.75	1.5
Rejenerasyon Fanı (kW)	0.047/0.056		0.081/0.106				0.13/0.2	
Kurutma Isıtıcısı (kW)	2.1	2.1	4	4	6	6	7.5	12.4
Rejenerasyon Isıtıcısı (kW)	2.1	2.1	4	4	6	6	7.5	12.4
Emici/Desikant	Zeolit-rotor							
Emiş Kulesi Motoru (W)	25							40
Hortum Boyutu: Kurutma (mm)	Ø38/50		Ø50				Ø90/65	Ø90
Hortum boyutu: Rejenerasyon (mm)	Ø38						Ø65	Ø90
Son Soğutucu Akışı (L/dk)	Suya gerek yoktur. Ünite, Hava Soğutma Bobini kullanır.				10		20	
Su Bağlantısı	Suya gerek yoktur. Ünite, Hava Soğutma Bobini kullanır.				Ø10.5x1/2B Hortum Nipeli		Ø14x1/2B Hortum Nipeli	
Sigorta Kapasitesi (A)	30		40		50		75	100
Güç Beslemesi	400V 50Hz 3P							
Hava Basıncı (MPa)	0.5							
Birincil Taşıma Mesafesi (m)	10							
İkincil Taşıma Mesafesi (ft)	5							
PVC Taşıma Hortumu (mm)	Ø38						Ø50	
Taşıma Fanı (kW)	1.1/1.5						3.0/2.55	
Yaklaşık Boyutlar [WxDxH](cm)	118x56x181	118x56x206	137x64x207	137x64x237	150x64x222	150x64x261	172x74x260	197x90x260
Ağırlık (kg)	224	233	299	309	331	346	500	700
Sistem Kontrolü	PID Kontrolü							
Sistem Koruması	Aşırı Isınma Alarmı, Ters Faz Alarmı, Aşırı Yük Alarmı, Otomatik Soğutma Modu							
Sistem Özellikleri	Enerji Tasarruflu Hazne, Katı Hal Röleleri, Birincil & İkincil Taşıma, Hat Temizliği, 15-Yıllık Desikant, İkincil Devre için Kuru Hava Taşımacılığı (15U veya 25U Modellerinde Mevcut Değildir.)							
Mevcut Opsiyonlar	Haftalık Zamanlayıcı, Alarm Çıkışı, Alarm Lambası, Kıırma Oran Valfi, Çiy Noktası Ölçer, Aero Power Hazne, Siklon Toz Toplayıcı, İkincil Makine Taşımacılığı							

DMZ Series

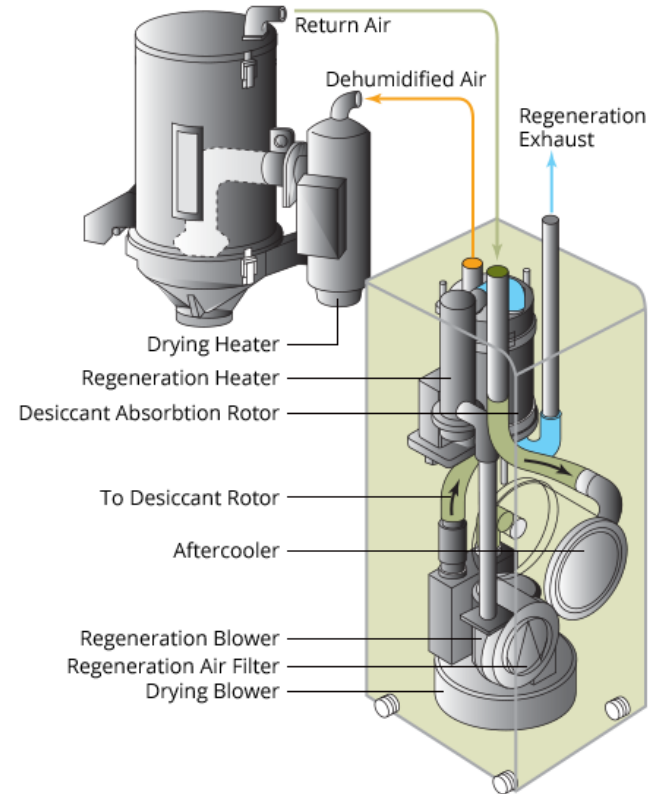
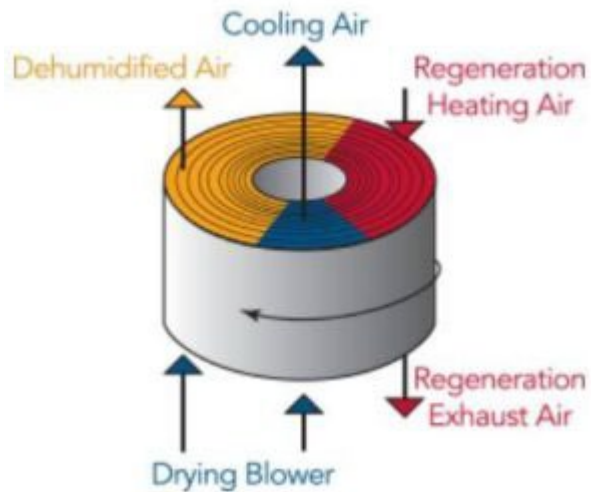
Stand alone desiccant drying.
Start molding sooner.



The DMZ2 portable desiccant dryer can be part of your central loading system or serve multiple hoppers. It's advanced resin drying technology drops moisture levels in a fraction of the time. Then it keeps resin a consistent, rock solid -40°C dew point all the way to its core. And it does it faster and more consistently than the competition, so you can start molding faster.

Spin, absorb, repeat

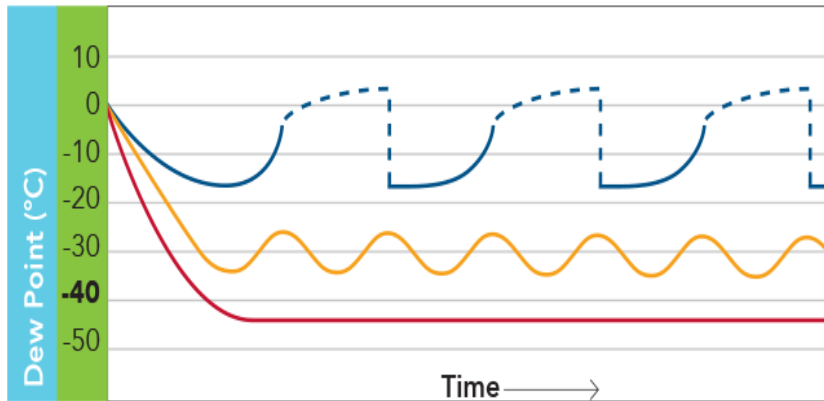
This is how it works. The rotor rotates through the various air flows. Heat dries the desiccant, the drying blower sends moist air through the desiccant and exists as dehumidified air. Then air cools the desiccant making it ready to remove moisture. And it does it reliably year after year after year.



Ideal for PET bottle production

The DMZ2 maintains a stable IV and a low AA levels, and brings moisture content below 50 ppm. It can dry PET in as little as 3 hours and has a throughput up to 1500 kg/hr and larger.

Resin dries fast. And stays dry.



Single tower type dehumidifier

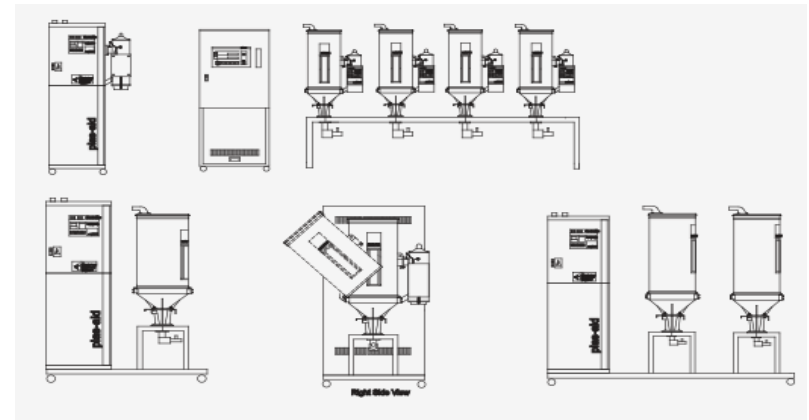
Multi-tower type dehumidifier

Matsui Desiccant Rotor

Matsui's desiccant rotor technology dries resin extremely fast. The desiccant's large area of contact effectively absorbs at high temperatures, drying resin in half the time while stabilizing dew points at a constant -40°C.

Intuitive "touch & go" programming.

The new touch-screen programming makes it even easier to set up the DMZ2 to handle a single or multiple machine.



Central loading or multiple hoppers.

Maximum performance in minimal space. The DMZ2 can be part of your central loading system, or handle multiple hoppers. So you get maximum performance with a small footprint.

Routine maintenance can be performed from the front of the system, quickly and easily.

Insulated stainless steel construction prevents heat loss, and while drying resin in half the time, it saves hours of energy with every material change.

Technical Specifications

Model DMZ2	40E	80E	120E	170E	240E	500E	700E	900E
Çiy Noktası (°C)	-40							
Hava Akışı (m³/s)	40	80	120	170	240	500	700	900
Kurutma Fanı (kW)	0.38/0.42	0.9/1.15	1.5/1.75		2.2/2.55	2.2/2.55x2	2.2/2.55x3	5.5/6.3x2
Rejenerasyon Fanı (kW)	0.047/0.056	0.081/0.011		0.38/0.42	0.9/1.15	0.9/1.15x2	0.9/1.15x3	0.75
Rejenerasyon Isıtıcısı (kW)	1.5	2.4	3.1	5.8	7.7	5.5 - 6.6x2	5.5 - 6.6x3	19.2 - 23.1
Emici	Zeolit rotor							
Emici Motor (W)	25					25x2	25x3	90
Son Soğutucu Akışı (L/dk)	6	10				40	60	100
Son Soğutucu Bağlantısı (mm)	9.5			19		25.4	25.5	31.7
Kontrol	PID ısıtmalı mikroişlemci kontrolü							
Oto Başlatma Zamanlayıcısı	Aralık: 10 dk ile 99 saat 50 dk arası							
Alarm & Koruma	Aşırı Isınma, Termal Koruma (Thermal Trip), Ters Faz, Otomatik Soğutma							
Güç Beslemesi	400V 50Hz 3P							
Çalışma Sıcaklığı (°C)	80 - 130							
Sigorta Kapasitesi (A)	20	30 [40]	40 [50]	60 [75]	100	125	175	225
[yüksek sic. tipi]								
Ağırlık (kg)	120	160	200	345	362	690	900	1100
Yaklaşık Boyutlar (cm)	44x57x140	50x70x140	50x70x140	79x89x182	79x89x182	82x129x227	82x170x227	143x148x228
Mevcut Opsiyonlar	Haftalık Zamanlayıcı, Çiy Noktası Ölçer, Filtre Alarmı, Zemin Şasisi, V-Box, İzoleli Hazne							

Kurutma Hazneleri	HD-10	HD-15	HD-25	HD-50	HD-75	HD-100	HD-150	HD-200	HD-300	HD-400	HD-500	HD-700	HD-900	HD-1100
Hazne Hacmi (kg)	10	15	25	50	75	100	150	200	300	400	500	700	900	1100
Hazne Hacmi (L)	18	27	42	83	125	167	250	333	500	660	830	1160	1500	1830

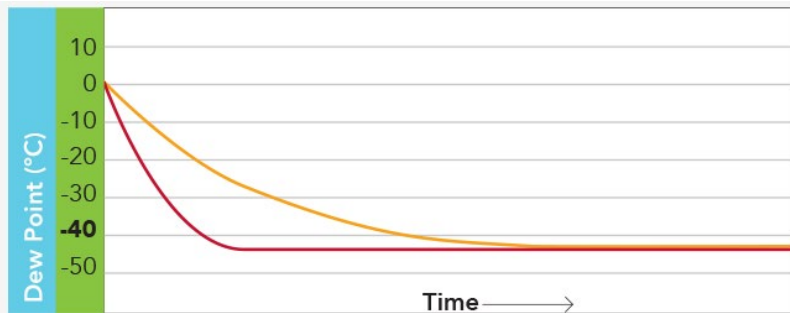
MGD Series

Portable hot-air dryer/loader.
Economical drying. Saves energy.



The power-sipping portable MGD hot-air dryer/vacuum loader uses significantly less energy and slightly longer drying times than our desiccant dryers to efficiently dry resin to optimum moisture levels.

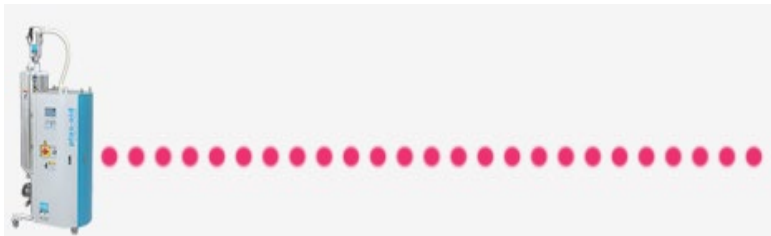
Hot air technology keeps resin consistently dry.



MGD Hot-Air Dryer

Matsui Desiccant Rotor

Though slower than our desiccant rotor technology, Matsui's hot-air drying technology is faster and maintains a more stable environment than other hot air dryers.



Point-to-point just in time conveying.

The MGD's drying hopper is designed to create mass flow with no short pass. It is equipped with a programmable loader, which releases measured amounts of resin at specific intervals. Pellets are conveyed and delivered for the next loading cycle on a just-in-time schedule. This helps keep pellets at the optimum moisture level from the dryer to molding machine, maximizing performance and minimizing part defects.



Virtually maintenance free.

The MGD is so simple in design it's a snap to set up, and runs virtually maintenance free. Heater circuits with solid-state relays provide years of maintenance-free operation. Its efficient, streamlined design uses just a single blower and heater, reducing energy consumption. Routine maintenance can be performed from the front of the system, quickly and easily.



Programming made simple.

An easy-to-use touchpad simplifies programming, enabling you to preset operations, monitor settings, view progress and make changes effortlessly.

Technical Specifications

Model MGD	15E	25E	50E	75E	100E	150E	200E	300E
Hazne Kapasitesi (kg)	16	26	54	75	102	150	210	300
Hazne Kapasitesi (L)	28	40	90	125	170	250	350	500
Maks. Çalışma Sıcaklığı	130°C							
[yüksek sic. tipi]	[160°C]							
Kurutma Fanı (kW)	0.028/0.034	0.13/0.2		0.135/0.195		0.3		0.4
Kurutma Isıtıcısı (kw)	2.5	3.6	4	5.4	6.3	10.8	12.4	17.1
[yüksek sic. tipi]	[2.1]	[4]	[5.4]	[6.3]	[7.5]	[12.4]	[17.1]	[19.8]
Isıtıcı Kontrolü	SSR kontaktörlü PID kontrol							
Güç Beslemesi	400V 50 Hz 3P							
Sigorta Kapasitesi (A)	30			30 [40]	50	60	100	
Gerekli Basınçlı Hava	0.5 MPa, 10 L/s							
Taşıma Fanı (kW)	1.1/1.5						2.2/2.55	
Sistem Koruması	Aşırı ısınma, motor aşırı yükü, motorun ters yönde dönmesini önleme, kapanmada gecikmeli soğutma.							
Yaklaşık Ağırlık (kg)	150	170	210	230	240	270	400	600
Yaklaşık Boyutlar	143x103x	143x103x	170x116x	170x116x	194x122x	205x132x	199x126x	237x140x
[WxDxH] (cm)	174	199	210	240	225	264	263	263
Mevcut Opsiyonlar	Kaçak akım sigortası, yüksek sıcaklık spesifikasyonu, haftalık zamanlayıcı, alarm göstergesi, alarm çıkışı, çift yönlü ikincil taşıma.							

SMGL3 Grinder Series

New portable low speed grinder
produces uniform size with minimal dust



A larger knife area is paired with a smaller motor so you grind more with less energy. Sharp, hardened-steel knives improve cutting and last longer. Even the stationary cutters, scrapers and stationary crushing cutters can be flipped to provide a new, sharp cutting surface. The SMGL3 low-speed, energy-saving, granulator grinds to a consistent size. Dusting and cutting errors are reduced, and no “longs” can slip through.



Quiet, safe operation

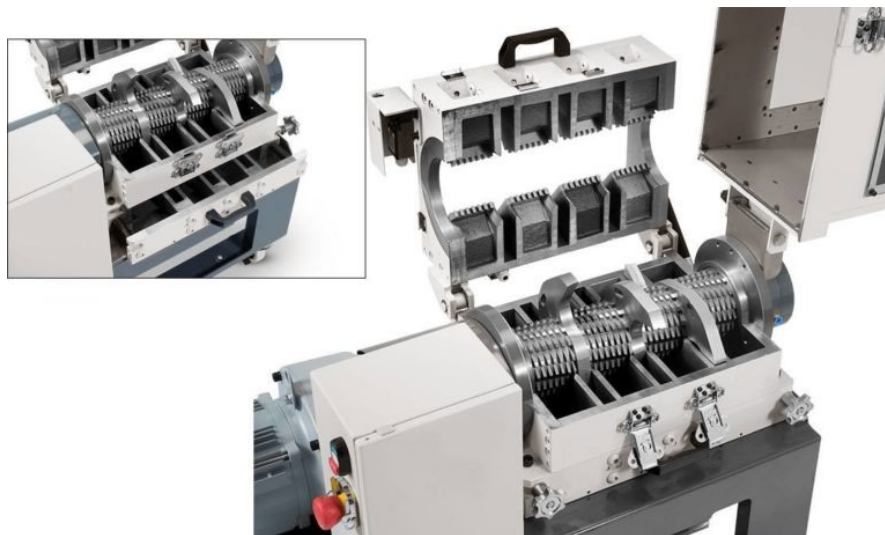
Chute and cutting chamber are re-designed for lower decibel levels. Units are also equipped with three limit switches and an emergency shut-off button. An integrated thermostat helps prevent the motor from overheating.

Small footprint and portable

The SMGL3 has a smaller footprint. And it can be completely cleaned from one side of the grinder. So it can tuck neatly into a convenient, out of the way place or close to a machine.

Easy-to-clean and virtually maintenance free

Hardened-steel components and easy-to-clean design make changing material and color a snap. SMGL3's are screenless, so there is even less maintenance and no screen to wear out and replace. The smart, simple design means years of reliable, maintenance-free operation.



Clean up and resin changes are fast and easy

No need to spin the SMGL3 to clean both sides. You access every cleaning surface from one side of the grinder. It opens wide to expose the grinding chamber and blades. The cover lifts to completely expose the hardened steel blades and cutting bed. The lower cutting bed drawer pulls out. Hardened-steel parts clean up fast and reduce maintenance costs.

Technical Specifications

Model SMGL3-		G3-1/2	G3-2/3	G3-3/4	G3-4/5
Güç Beslemesi	Voltaj	AC 200/400V 50Hz 3P			
	Görünür Güç (kVA)	0.8	25.1	25.2	
	Gereken Sigorta Kapasitesi (A)	5.5	10.5	15.10	
	Nominal Akım (A)	2.1/1.0	3.2/1.65	6.4/3.3	
Motor	Çıkış (kW)	0.4	0.75	1.5	
	Dönme Hızı (rpm)	25			
Kırma Kapasitesi (kg/s)		5	10	15	20
Döner Kesici Boyutu WxD (mm)		5x5			
Kesme Bölmesi Ölçüsü WxDxH (mm)		167x262x260	261x262x260	355x262x260	449x262x260
Dış Boyutlar WxDxH (mm)		725x420x1605	895x420x1605	1080x420x1605	1170x420x1605
Ağırlık (kg)		156	195	237	265
Mevcut Opsiyonlar		Alım kutusu; emiş kutusu; kesici boyutunu değiştirme; malzeme dolu/aşırı yük alarmı; malzeme dolu alarmı; üç pencereci hazne; tek pencere ve magnet; kanal beslemesi.			

MGL2 Grinder Series

Portable low speed dustless grinder with
advanced “wide open” cleanout



The MGL2, like our SMGL2, packs a lot of smart engineering into little grinders. The MGL2 low-speed size-reduction unit grinds to a consistent size. Dust and cutting errors are reduced, and no “longs” can slip through. Combining low-speed, energy-saving, granulating technology with primary and secondary blades, regrind that flows more consistently into your production, moving easily through your material handling systems and molding with fewer rejects.



Re-engineered to make it even easier to clean

The new MGL2 lets you spread it "wide-open" for fast, easy cleaning, and product and color changes. The unit "unfolds" to completely and safely expose every nook and cranny so you can quickly clean and prepare for the next job without worry of contamination.



Quiet, safe operation

The MGL2 incorporates a steel damper plate to significantly reduce noise, so it operates quietly and efficiently. Units are also equipped with two limit switches and an emergency shut-off button. An integrated thermostat helps prevent the motor from overheating.

Small footprint and portable

The MGL2 has a tiny footprint, so it easily glides into place, tucking neatly into a convenient, out of the way place, or snugly up against a machine.

Easy-to-clean and virtually maintenance free

Stainless steel components and easy-to-clean design make changing material and color a snap. And both units are screenless, so there is even less maintenance and no screen to wear out and replace. The smart, simple design means years of reliable, maintenance-free operation.

Technical Specifications

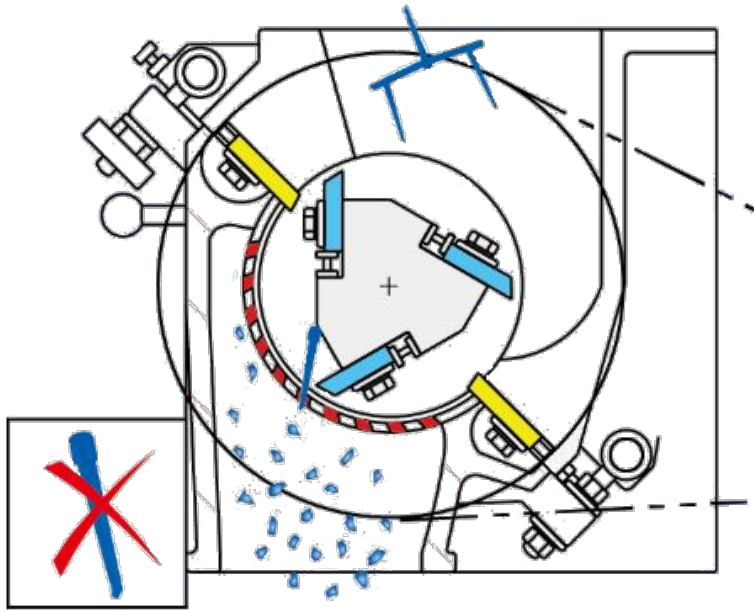
Model MGL2	MGL2-100-E	MGL2-200-E	MGL2-300-E	MGL2-100-TPE-E
Güç Beslemesi	380V 50Hz 3P			
Görünür Güç (kVA)	31.1	42.2	22.3	31.1
Sigorta Kapasitesi (A)	10	15	20	10
Motor Çıkışı(kW)	0.75	1.5	2.2	0.75
Motor Dönme Hızı [50/60Hz] (RPM)	18.8/22.5		25/30	18.8/22.5
Küçük Döner Kesiciler	3			
Büyük Döner Kesiciler	2			
Sabit Bıçaklar	3			
Kazıyıcılar	1			
Besleme Portu Ölçüsü [WxD] (mm)	338x230	378x328	457x409	338x230
Kesme Bölmesi Ölçüsü [WxD] (mm)	252x232	307x328	414x421	252x232
Kesici Ölçüsü [WxD] (mm)	(4) 5x5	(4x5) 5x6	(5x6) 6x7	5x5
Ağırlık (kg)	168	247	402	168
Emme Kutusu Hacmi (L)	4.Nis	8	12	4.Nis
Koruma	Motor aşırı yükü, hazne/bölücü kapatma, emme kutusu kapama kontrolü.			

SMG Granulator Series

High-speed granulator



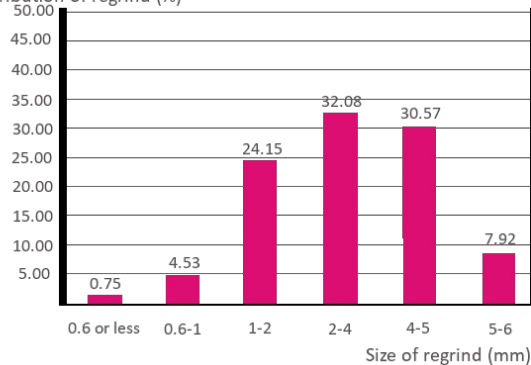
The SMG-030/050 is a high speed granulator particularly indicated for small concentrated batches. The hopper is equipped with a double-layer damping design for noise reduction; moreover, safety in operation is ensured through an internal baffle curtain that prevents material from flying out.



High-quality regrind material

The granulator screen is provided with oblique holes, which differentiates from conventional screen shapes: with straight screen holes, it might happen that sprues or miss-cuts pass through the mesh filter and cause problems and/or disruptions of the production process. However, the oblique screen holes of the SMG-030/050 block any miss-cut, ensuring that the material gets grinded to a uniform size. Depending on the model, the average throughput can be 30kg (for SMG-030) or 50kg (for SMG-050).

Distribution of regrind (%)



To contribute to the optimal quality of the regrind material there are also slanted knives in the cutting chamber. You can see in this graph below how the size of the regrind tends to be grouped on average between 2 and 5 mm (32,08% and 30,57%), with very small percentages registered regarding other possible dimensions.

Technical Specifications

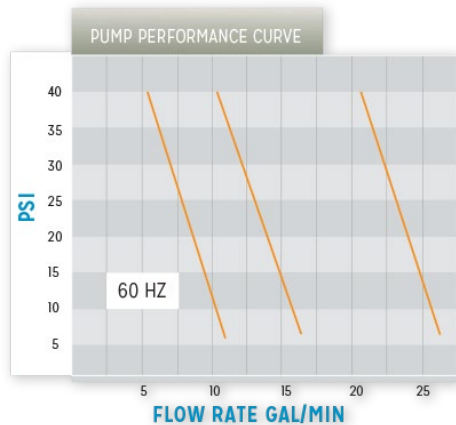
Model SMG-		-30	-50
Güç Beslemesi	Voltaj	AC 200/400V 50Hz 3P	
	Görünür güç	3.18 kVA	5.20 kVA
	Sigorta Kapasitesi	20/10 A	30/20 A
	Nominal Akım	9.5/5.0 A	16.7/8.8 A
Motor	Çıkış	2.2 kW	4 kW
Dönme Hızı		472 rpm	475 rpm
Döner Kesici Sayısı		3	6
Sabit Kesici		2	
Elek Boyutu		8 mm	
Dış Boyutlar WxDxH		495x758x1171	813x898x1481
Ürün Ağırlığı		281 kg	507 kg
Opsiyonlar		Yolluk kanalı; Hazne kapağı; Magnet slide; Sinyal lambası; Seviye göstergesi.	

MC5 Series

Portable water unit heats faster
so you start molding sooner



Introducing the new MC5, the next generation in mold temperature controllers. It reaches temperature settings faster, so as it moves from machine to machine you are ready to mold sooner. And it has a bigger, feature-packed, user-friendly control panel, yet has a small footprint, so it slips in and out of the smallest places.



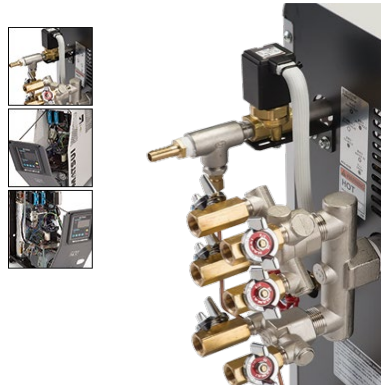
More power = more productivity

With a more powerful heater, pump and sensor, the MC5 reaches target temps within 1° of set point fast, and takes samples 4 times/second to maintain optimum levels throughout production. So you can mold more parts faster and better, boosting productivity and your bottom line.



Intuitive, touch-and-go programming

MC5's large touchscreen lets you store up to 64 different temperature settings, preset operations, monitor progress, detect errors, improve maintenance and more.



Maintenance teams love MC5, too

That's because the solenoid valve is conveniently located on the outside of the cabinet where it's easier to reach, and solid state relays in heater controls and other critical components are made of stainless steel.

To service the inside, just remove four screws and lift off the base plate. A safety disconnect switch prevents accidental start-ups.



Small footprint

One of the smallest, lightest, most mobile mold temperature controllers, MC5 fits into tight production spots where others cannot. And with casters built into the base, it's easy to move from machine to machine.

12 models to choose from

The new MC5 comes in three sizes with advanced (G3) designs for use with low temperature (up to 95°C) or high temperature (up to 120°C) water. G3 units offer even more programming features as standard.

Heater and pump sizes on the new MC5 are optimized for performance, minimizing energy consumption. The unit's precision control software and technologically advanced circuitry reduce heater "on" time up to 8%, increasing your energy savings.

The units of the new MC5 are in stock and ready to ship. They come with everything needed for installation, including 2-way or 4-way manifolds and ball valves. There's also an adjustable pressure bypass valve allowing you to tailor and optimize performance for different jobs.

New standard features of MC5:

- Stores up to 64 temperature settings
- Timed switching (10 sets of 10 temperature values)
- Temperature control programming
- Displays estimated setup temperature waiting time
- Heating and cooling error detection
- Programmable slow cooling
- Variable temperature control programming
- Programming to stop unit automatically at a preset temperature

G3 units also have:

- Set value switching

Other standard features:

- Digital temperature display
- Reverse-phase detection
- Operation monitoring
- Alarm indication of pump overload, abnormal sensor, low level, low/high temperature, machine maintenance
- Automatic pressure relief
- Heat-resistant water level detection switch
- Pressure gauge
- One-touch display of set values on control panel
- Remote operation of start/stop
- Automatic air venting at start-up



Standard features of MC5 Control Panel:

- Intuitive, user-friendly operation
- Easy to read LCD display visible even in bright lighting
- Displays PV, set values, alarm status, operation status, overloads/errors, estimated setup temperature waiting time
- Option to display error history
- Function for programming temperature control

G3 units also have:

- Calendar function
- SPI or MODBUS communications board
- Can display flow rate and pressure (requires sensor)

Technical Specifications

Model MC5	MC5-25L/MC-25H	MC5-55L/MC5-55H	MC5-88L/MC5-88H
Güç Beslemesi Voltajı	380V 50Hz 3P		
Güç Kullanımı (kVA)	5.5	8	11.8
Sigorta Kapasitesi	20	30	40
Ortam	Kaynak Suyu (yumuşatılmış su)		
Maksimum Su Sıcaklığı	95/120°C		
Soğutma Kapasitesi (kW)/basınç (Mpa) - 10°C	2.4/3.3	2.9/4.1	3.6/4.9
Soğutma Kapasitesi (kW)/basınç (Mpa) - 30°C	7.2/9.8	8.6/12.4	10.7/14.7
Soğutma Kapasitesi (kW)/basınç (Mpa) - 60°C	14.5/19.6	17.2/24.7	21.4/29.5
Isıtıcı Kapasitesi	4kW	6kW	9kW
Pompa debisi (L/dk) - 50Hz	26.Nis	45.4	75.7
Pompa debisi (L/dk) - 60HZ	37.8	52.9	83.2
Pompa motoru (HP)	0.4	0.8	1.Mar
Pompa Performansı	Pompa performans çizelgesine bakınız		
Su Seviyesi Algılama	Elektrot sensörü veya seviye şalteri (float switch)		
Sıcaklık Kontrolörü Girişi	K tipi termokupl		
Su Besleme Portu	ø 10.5 hortum nipeli ve süzgeç		
Su Tahliye Portu	ø 10.5 hortum nipeli		
Besleme Ortamı ve Dönüş Portu	9.5mm x 2 bilyalı valf	9.5mm x 4 bilyalı valf	9.5mm x 6 bilyalı valf
Tahliye Portu	1/4B temizleme		
Yaklaşık Boyutlar W/D/H (mm)	233x658x524	233x703x564	233x763x674
Ağırlık (kg)	40	50	60

MCX2 Series

Wide range temperature controller
with error margin of only $\pm 0.3^{\circ}\text{C}$



The new MCX2 presents a piping-less structure, so that it can optimize its usage also in small spaces. The control on mold temperature is performed within a high range and with a particularly high accuracy, as it presents only a margin of error of $\pm 0.3^{\circ}\text{C}$. Refrigeration happens through the R410A, which is provided with an ozone depletion factor of 0. Moreover, the MCX2 offers a mold medium draining function.

Friendly for the environment



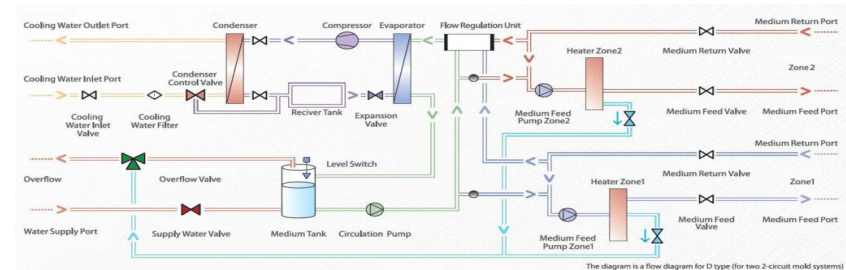
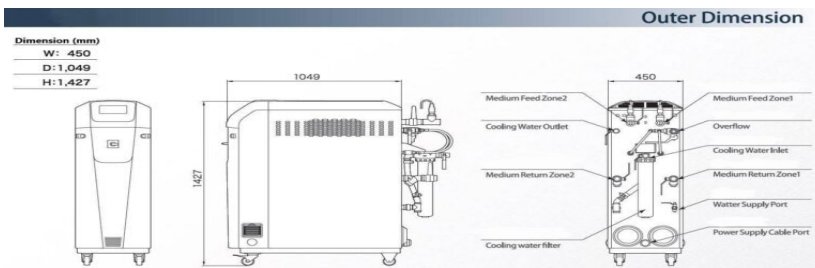
Minimal temperature fluctuation thanks to stable control of the flow rate valve.
 Ensure space-saving with the pressure-resistant hose and the smaller water tank.
 Prevent contamination of circulating water thanks to the cooling water filter.



Large display for better operability

Thanks to the 7-inch touch-screen panel, operability gets highly improved: it's possible to keep under check various settings and conditions at glance in once. It can also visualize on a graph necessary operation data, like temperature and pressure. Furthermore, it can show on-screen notifications of alarm content.

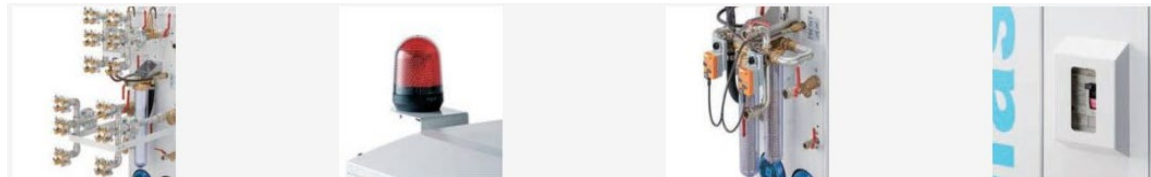
Contained piping-less structure



The new MCX2 is equipped with a modern piping-less system, which is a benefit for the outer dimensions: the device results in being more contained and easy to fit also in smaller spaces.

Unique options available

- * Manifold
- * Rotating light
- * Power cord
- * Self-cleanable filter



Technical Specifications

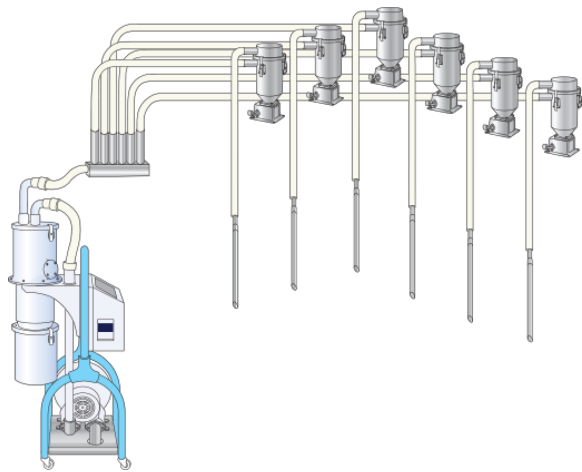
MCX2-G3		3	4	6	03D	04D	06D
Güç Beslemesi	Voltaj	AC400V 50Hz/60Hz 3ø					
	Görünür Güç	12.9 kVA	16.7 kVA	18.9 kVA	20.6 kVA	21.8 kVA	24.0 kVA
	Sigorta Kapasitesi	50A	60A	75A			
Yoğuşum Soğutma Suyu	Debi (27°C)	30 L/dk	45 L/dk	60 L/dk	30 L/dk	45 L/dk	60L/dk
	Debi (35°C)	45 L/dk	60 L/dk	75 L/dk	45 L/dk	60 L/dk	75 L/dk
	Basınç	0.15 - 0.60 MPa					
Ortam		Temiz Su					
Çalışma Sıcaklığı Aralığı		8-90°C					
Soğutma Kapasitesi (50Hz)	8°C	7.4 kW	11.2 kW	14.8 kW	7.4 kW	11.2 kW	14.8 kW
	15°C	9.2 kW	13.8 kW	18.3 kW	9.2 kW	13.8 kW	18.3 kW
	20°C	10.6 kW	16.0 kW	21.2 kW	10.6 kW	16.0 kW	21.2 kW
Kontrol Sıcaklığı (60Hz)	8°C	8.5 kW	12.9 kW	16.7 kW	8.5 kW	12.9 kW	16.7 kW
	15°C	10.5 kW	15.9 kW	20.6 kW	10.5 kW	15.9 kW	20.6 kW
	20°C	12.2 kW	18.4 kW	23.8 kW	12.2 kW	18.4 kW	23.8 kW
Isıtıcı Kapasitesi		6 kW	9 kW		6 x 2 kW		
Ortam Tankı		23L					
Soğutucu Gaz		R410A					
Kompresör Çıkışı		2.25 kW	3.38 kW	4.5 kW	2.25 kW	3.38 kW	4.5 kW
Dolaşım Pompası Çıkışı		0.75 kW					
Boru Bağlantı Çapı	Ortam Besleme ve Dönüş Portu	G1 (25A)	G1 - 1/4 (32A)		G1 x2 (25A x2)	G1 - 1/4 x2 (32A x2)	
	Su Besleme Portu	G1/2 (15A)					
	Taşma	G1 (25A)					
	Soğutma Suyu Giriş Portu	G1 (25A) + Filtre standart ekipmandır. Soğutma suyu çıkış portu.					
	Soğutma Suyu Çıkış Portu	G1 (25A)					
Soğutma Suyu Filtresi		Tek filtre					
Dış Boyutlar	Genişlik	450mm					
	Derinlik	1049mm					
	Yükseklik	1427mm					
Ürün Ağırlığı		240 kg		245 kg	270 kg		275 kg
Alarm Göstergesi		Ortam düşüşü, pompa; kompresör aşırı yüklenmesi, soğutma suyu yetersizliği.					
		Aşırı ısınma, sensör arızası, yüksek basınç, düşük basınç, donma önleme.					
Basınç Göstergesi		Kontrol paneli dijital göstergesi					

JL4 Series

Vacuum hopper/loading system.
Service up to 6 machines.

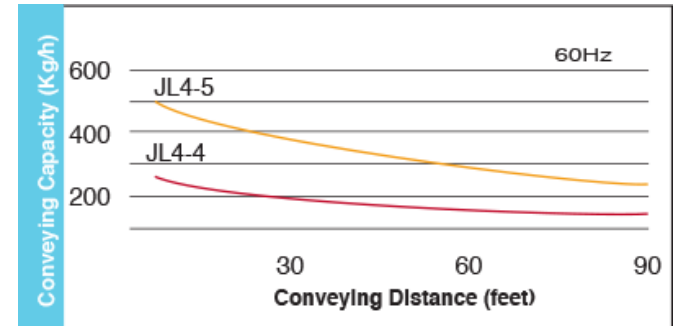


Portable, powerful and engineered for efficiency, the JL4 easily meets the needs of your demanding production line. The Jet Loader effectively removes dust using a unique two-tier dust collection system that consists of one filter in the hopper and one at the vacuum pump. The JL4 also helps dramatically increase conveying capacity while using half the power consumed by conventional loaders.



Service up to 6 machines at once.

These powerful loaders can send material throughout the plant with a minimum of pressure loss. Conveying capacities vary with shape and density of material, piping material and bends in the pipeline, suction nozzle type, etc.



Easy to maintain

You can quickly purge accumulated resin dust by simply unclipping a cap. No time-consuming tear down to clean and re-assemble. VC units include a cyclone separator to efficiently remove dust and dramatically reduce the time spent cleaning the machine. Powerful and effective, it also reduces material entering the filter, extending the life of filter and time between cleanings. In addition, the new filter design minimizes clogging and extends filter life, increasing the units efficiency

Smart design

The JL4 includes a filter timing light that informs you when to inspect the filter for clogs. An alarm and warning lamp are also available. The unit is equipped with a quiet, efficient motor to help you keep manufacturing noise levels to a minimum

Touchpad programming

An easy-to-use touchpad simplifies programming, enabling you to preset operations, monitor settings, view progress and make changes effortlessly.

Technical Specifications

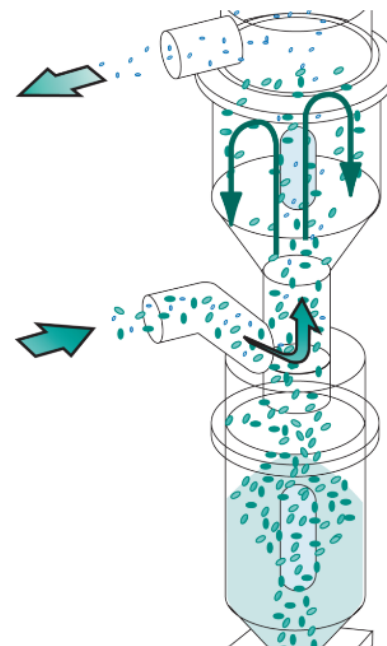
Model JL4	4V/4VC	5V/5VC	6VC	7VC
Maks. Statik Basınç (kPa)	18	21	24	32
Maks. Hava Akış Hızı (m3/dk)	2.8		3.8	6.1
Maks. Çıkış (kW)	15.1	1.5	55.2	4.6
Taşıma Hortumu (mm)	25.Nis		50.8	63.5
Vakum Hortumu (mm)	38.1		63.5	
Jet klon (alıcı)	JC-3 (3L); JC-6 (6L); JC-9 (9L)		JC-18	
Emme Nozülü (standart)	38.1 mm		50.8 mm	63.5 mm
Gaylor Emme Nozülü (opsiyonel)	38.1 mm		50.8 mm	63.5 mm
Güç Beslemesi	380V 50Hz 3P			
Tam Yük Akımı 230V/460V	10A/5A		20A/10A	40A/20A
Kontrol Voltajı	AC120V			
Gerekli Basınçlı Hava	0.3~0.75 MPa/0.002 m3/dk			
Yaklaşık Ağırlık (kg)	V: 48/VC: 52		69	91
Yaklaşık Boyutlar (mm)	355x533x1193		533x584x1193	558x609x1219
VC Toz Kutusu Kapasitesi (L)	7			
Standart Özellikler	Alarm kodlu zil, fan, aşırı yük, filtre temizleme hatırlatıcısı, kontrolör arızası.			
Mevcut Opsiyonlar	2-6 yönlü taşıma, ince toz siklon ayırıcı, büyük boy siklon, toplama kabı (15 L), mini vakum haznesi, aero power karıştırma haznesi, jsv kırma oranı valfi, parti valfi için çıkış sinyali, yanıp sönen alarm ışığı.			

APH Series

Efficiently remove dust and mix resin
with
the APH Aero Power Hopper.



Remove dust. Improve product quality. Mix resins and colors.
A simple design that sits right on the molding unit.



Remove, mix and convey

Reduce defects. Improve quality. The APH removes dust and fines by thoroughly mixing resin while a vacuum suction dust particles away from above.

It also evenly mixes two resins prior to molding, maximizing productivity and product quality, and minimizing rejects.

Easy-to-install directly on the molding unit, it saves time and space.

JCGB2 Series

Gravimetric blender with higher measuring accuracy.



The new JCGB2 provides extreme precision when it comes to measuring and mixing the correct amount of material. Each time the fed material can have an amount as low as 15g, and the target value is corrected and adjusted according to the actual feed amount.

The unique shape of the hole valve, which is inclined, helps also reducing jamming: it moves up and down to cut out the material, reducing the amount that is supplied.



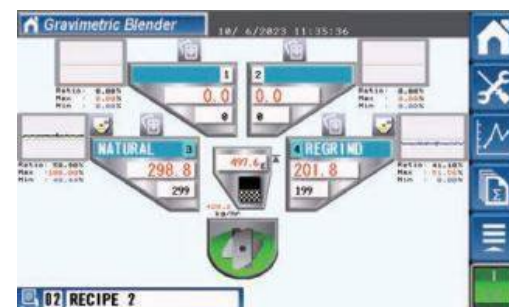
Easy maintenance

Since the JCGB2's concept is of an item that should sit on top of the injection molding machine, tools aren't necessary when it comes to maintenance time: the main units are easy to remove and re-install simply by hand. Moreover, the front door is very convenient to open and close. In order to support this ease of maintenance, the material supply valve is located inside of the material hopper.

Touch-screen panel

The operational control panel is rich in features and options to constantly monitor the JGB2's functioning, with the aim of ensuring a uniform, high-quality molding process:

- Weight setting screen
- Actual data for each batch displayed as trend graphs
- Data of up to 500 batches stored (including actual values, deviations, and alarm history)
- Traceability of molded products thanks to USB-transfer to a PC



RECIPE 0	Set Point	Ratio
MATERIAL 1: REGRIND	0.0	0
MATERIAL 2: ADDITIVE	0.0	0
MATERIAL 3: NATURAL	0.0	0
MATERIAL 4: MD	0.0	0

No separation of materials!

The JCGB2 sits directly on the injection molding machine, thus the material doesn't have to undergo a second conveying.

In this way it doesn't risk separating into layers nor remaining stuck into the hoses: production process can proceed smoothly without material waste or quality issues in the final product.

Technical Specifications

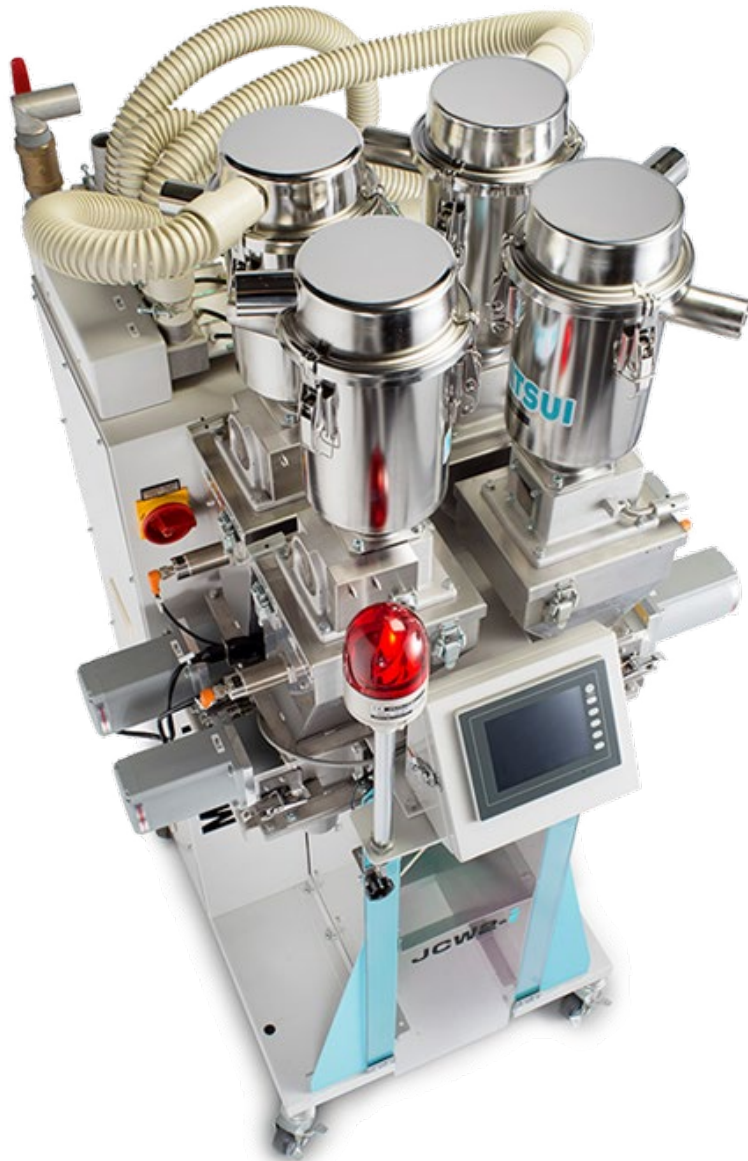
Model JCGB2-06		
Güç Beslemesi		AC 100-240V, 50/60Hz 1P
Görünür Güç		150 VA
Hava Akış Debisi		3 L/dk
Maksimum Ölçüm Kapasitesi		60 kg/s
Ağırlık Tartım Yöntemi		Yük hücresi ile parti tipi kütle tartımı
Bileşen Sayısı		2 ila 4 malzeme
Parti Başına Hacim		500g
Malzeme Haznesi	Renk ve Ek Malzeme	A25: ø25mm eğik (slanted) valf
	Natural ve Kıрма	B40: ø40mm dikey valf
Malzeme Haznesinin Toplam Hacmi		10L
Ölçüm Haznesinin Toplam Hacmi		2L
Boşaltma Yöntemi		Flap damper
Karıştırma Bölmesi	Karıştırma Yöntemi	Döner aktüatör ile karıştırma (Güç kaynağı: Hava)
	Etkin Basınç	2L
Ürün Ağırlığı		50kg
Dış Boyutlar WxDxH		560x560x710 mm
Standart Özellikler		Alarm göstergesi; alarm zili; alarm sinyali (alarm sırasında kapalı, voltajsız kontak); çalışma sinyali (çalışma sırasında kapalı, voltajsız kontak); 7 inç renkli dokunmatik panel; harici USB bellek; MODBUS/TCP iletişimi; uzaktan kullanım için VNC bağlantısı.
Opsiyonlar		HMI standı; silindir kapağı; alt seviye limit ölçer; hava temizleme; hava tabancası; basınç sensörü; zemin şasisi; ısıya dayanıklı özellikler; basınçlı besleme; boşaltım kanalı.

JCW2-i Series

Intelligent mixing, automatic flow optimization & resin-demand forecasting



The JCW2-i gravimetric blender combines incredibly accurate blending technology with intelligent metering and forecasting to help you maximize quality and reduce energy and waste. It senses changes, automatically adjusts, and keeps production moving as demand changes

**Intelligent mixing.**

Feed optimization software, coupled with demand forecasting signals, reduce resin waste by as much as 99%. Flow is automatically regulated based on your injection mold machine's status. Minimizing material usage helps reduce cleaning time and labor when materials or colors are changed.

It works automatically

The JCW2-i optimizes blender performance without additional input. Even with a material change, the JCW2-i automatically detects and alters measurements to accommodate the new material. Simple.

A smaller footprint

The JCW2-i is nearly half the footprint of previous units, while maintaining a maximum capacity of 145 kg/h. This is accomplished by integrating measuring and conveying into the unit. The intelligence software keeps batches smaller and maximizes mixture uniformity.

Simple-to-use interface

Technology is only as good the people who have to use it. We made it simple using a straight-forward touch-screen interface.

Easy maintenance

Smooth, polished hopper surfaces make cleaning fast. Dust can be swept down to the hopper bottom where materials can be completely removed. The hopper and screw can be easily removed, wiped cleaned, and re-installed fast to get the JCW2-i quickly back into production.

Technical Specifications

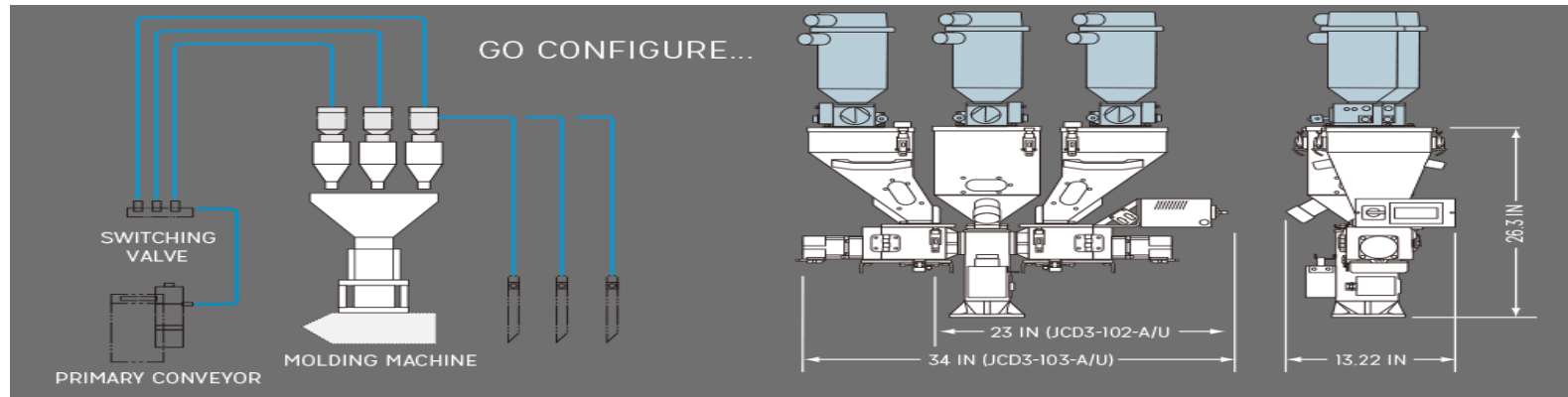
Model JCW2-i-05			APH		JB
Güç Beslemesi	Voltaj		380V 50Hz 3P		
	Görünür Güç	Sigorta Kapasitesi	5.15kVA 30A		
Hava Beslemesi	Basınç	Tüketim	0.4MPa 1NL/dk		
Maksimum Ölçüm Kapasitesi			70kg/s	1.45kg/s	145kg/s
İşleme Kapasitesi			60kg/s	140kg/s	140kg/s
Ölçüm Tipi			Gravimetrik		
Ölçüm Noktaları			4		
Hazne	Hacim	Saf	5 veya 14L		
		Kırma	5 veya 14L		
		MB	5 veya 11L		
Ölçüm Haznesi	Hacim		12L		
Besleme Haznesi	Hacim		Özel Üretim	3.5L	
Ölçüm Aralığı		Saf	Vida Besleyici F-50 ITO 100g veya daha fazlası		
		Kırma	Vida Besleyici F-50 ITO 100g veya daha fazlası		
		MB	Vida Besleyici F-40 ITO 50g veya daha fazlası		
			Vida Besleyici F-25 ITO 2g veya daha fazlası		
Ölçüm Hassasiyeti		Saf	±0.5%		
		Kırma	Karıştırıcı, en az miktarda kullanılan bileşeni ölçerek başlar, sonra bu gerçek ölçümü kullanarak ana malzemeler ve kırma gibi sonraki ölçülecek malzemelerin ayar değerlerini düzenler. Sonuç olarak, ilk ölçülen malzemelerin ölçüm hassasiyeti minimum ayar derecesi olan 1 gram veya daha azdır.		
		MB			
Malzemeler		Saf	granüller: yaklaşık 1,5 ila 4 mm çapında, 4 mm uzunluğunda şerit kesim. Kare peletler: yaklaşık 1,5 ila 4 mm.		
		Kırma	Görünür özgül ağırlığı 0.3 ile 0.5 arasında olan, yanlış kesimleri hariç tutan ve güvenlik filesinde (40 mm x 40 mm açıklıklar) köprü oluşturmayacak malzemeler.		
Parti Başına Hacim			1kg'a kadar	3kg'a kadar	3kg'a kadar
MB Oranı			1000x'e kadar		
Karıştırma Yöntemi			APH		Karıştırma tamburu
Etkin Hacim			3L	8L	10L
Dış Boyutlar (mm)			840W x 953D x 1735H		
Ağırlık (kg)			140		150

JCD3 Series

Volumetric blender accurately mixes virgin, regrind, color concentrate and additives



Compared to floor-mounted blenders, the JCD3 volumetric blender prevents materials of different weights, sizes or shapes from separation during loading. Materials are blended completely on the molder ensuring the right mix is delivered to the process.



Synchronizes measuring with blending

The JCD3 synchronizes measuring with blending, metering out materials that meet your presets, quickly and accurately

Faster color concentrate changes

Moving on to the next job is as easy as lifting the cover on the upper discharge opening and blowing out any residue with an air compressor. Regrind and colorant hoppers are modular and can quickly be pulled, cleaned and reinstalled. Quick-change auger design makes cleaning and exchanging augers a snap.

Customized to your specific needs

With three different auger feeders and two JCD3 models to choose from, you can be sure of getting the volumetric blender system that best meets your needs.

Auger Feed Options

SF-15BL

Colorant/other material
0.4-6.9 kg/h



SF-40BL

Virgin & regrind
6.2-60.1 kg/h



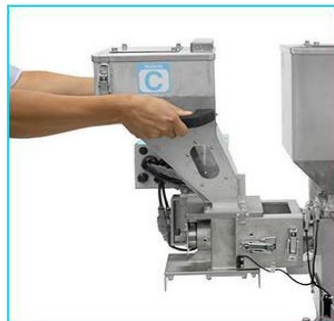
SF-50BL

Virgin & regrind
8.1-76.6 kg/h



Quickly clean and rotate resins, regrind and colorant.

Hopper easily slides out for cleaning, so unit is back in service quickly. Quickly pull auger for cleaning, or switch augers for different back configuration. Discharge port at bottom of hopper lets you quickly remove remaining material.

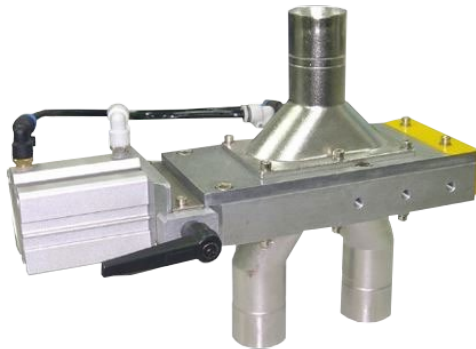


Technical Specifications

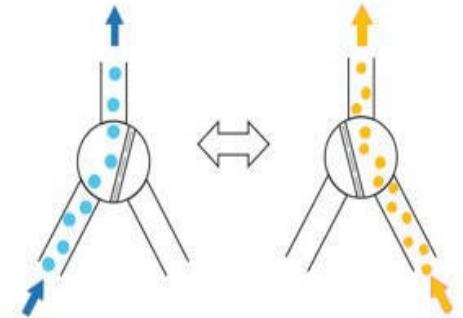
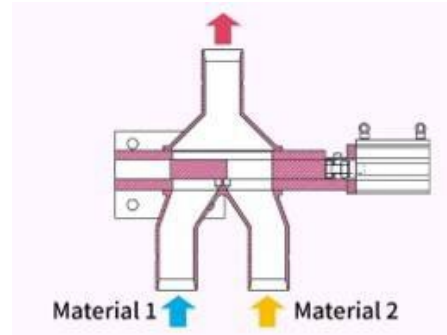
Model JCD3	JCD3-102-U	JCD3-103-U
İşleme Kapasitesi	100 kg/s	
Ölçüm Tipi	Hacim ölçümü, vida besleyici ile yapılır.	
Kırma (regrind) Yöntemi	Senkronize ölçüm, vida besleyici ile yapılır.	
Ölçüm Noktası	2	3
Haznenin Toplam Hacmi	12L + 9L (Saf + MB malzemesi)	12L + 9L + 9L (Saf + MB malzemesi + Kırma)
Besleme Ünitesi	Vida besleyici SF-50 BL (Saf malzeme) : 8-76.6 kg/s	
Ölçüm Hassasiyeti - MB Malzemesi	SF-15 BL-36 \pm 3% (.09 kg)	
Ölçüm Hassasiyeti - Kırma Malzemeler	SF-50, SF-40 BL \pm 13% (.009 kg)	
Uygun Malzemeler - Saf	Granül: şerit kesim, çapı 1,5–5,8 mm, uzunluğu 5,8 mm veya daha kısa; kare granül 1,5–5,8 mm.	
Uygun Malzemeler - MB Malzemeleri	Granül: boncuk (bead) tipi, çapı 1,5–5,8 mm	
	Hazne malzemesi için köprülenmeyen, düzgün şekil ve boyutta malzeme	
Uygun Malzemeler - Kırma	Güvenlik çözüm ağı (açık ağız: köprülenmeyen malzeme ile 35 mm x 35 mm).	
	Karıştırma Oranı: %40 maksimum	
Parti Başına Hacim	250 gram	
MB Oranı	20 - 50	
Güç	380V 50Hz 3P	
Görünür Güç	40VA	70VA
Boyut	585 × 336 × 668 mm	866 × 336 × 668 mm
Ağırlık	23 kg	31 kg
Mevcut Opsiyonlar	Alarm ışığı, alarm zili, alt seviye alarmı, alarm çıkış sinyali, malzeme yükleme sistemi, tank kapağı.	

SMS2 Series

Proportional valve

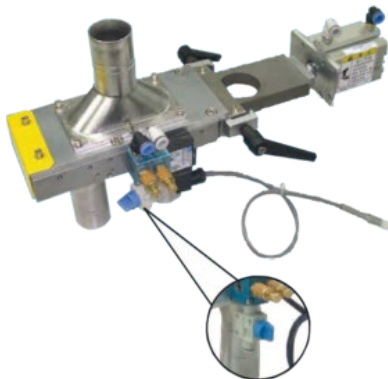


The proportional valve SMS2 solves your material conveying issues. With a linear-running cylinder that can switch between two material ports, it can help you convey regrind and virgin material. The movement of the valve can be controlled with a timer by a maximum setting of 20 seconds.



A simple but effective mechanism

Thanks to its compact design, it's possible to install the SMS2 anywhere in the recycling line. It can easily work with a granulator and/or a dryer, thus forming a recycling system, especially when the regrind is 100% recycled.



Convenient design for cleaning and safety

The SMS2 presents a no sealing design, thus it can conveniently prevent foreign material mixing. The innovative conception makes it easy also to open and clean during manutention time. The design keeps an eye also on safety to avoid accidents during usage, and this item is equipped with a compressed air on/off switch. Operations can be programmed simply, thanks to the touch-type panel with digital settings and indicators.

Technical Specifications

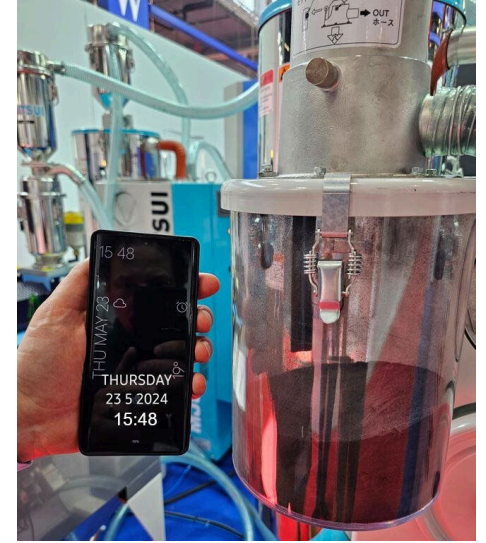
Model SMS2-	38	50
Güç	AC200~220V	
Boru İç Çapı (mm)	ø38	ø50
Boyutlar WxLxH (mm)	291x221x220	
Ağırlık (kg)	45783	
Gerekli Basıncılı Hava (MPa)	0.4-0.5	

ARV Aero-Remover

Material in-line dust remover
to eliminate defects

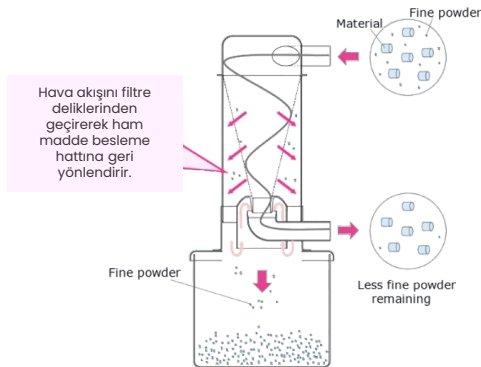


The design of the new ARV Aero-Remover aims to eliminate powder and fines contamination from plastic pellets. It can be installed into any material line to remove resin powder and fines, to ensure more stable plasticizing and eliminate product-defects caused by incomplete melting.



Dust will disappear

The advantage of the ARV is that installation takes minutes: it doesn't require a Matsui loading system to install in-line, and can be retro-fit into any loading system using a vacuum-transport principle. In addition, dust doesn't stand a chance when the ARV is combined with a traditional vacuum-line dedusting system: material dust and contamination is virtually eliminated during the transport process.



Unique design

Traditionally, dedusting occurred during the vacuum-transport delivery or relied on "shaking" dust off of the pellets.

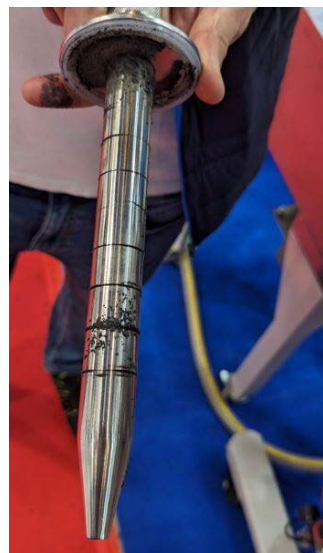
But the new ARV Aero-Remover offers a new improved technology. Thanks to its unique filtering design with material flow blending both material and vacuum pathways, it can efficiently remove contamination on the material itself and not only in the vacuum line.

Magnet Stick

In-line magnet catches metal and prevents problems from happening



The Magnet Stick in-line item uses a 7,000 (Magnet Stick) or 13,000 (Magic Catch) gauss magnetic field to catch any ferrous metal particles. It comes available in several configuration shapes and specifications, thus it can adapt to common material line sizes and fit different customer's needs. This magnet can be integrated to eliminate foreign metallic material from entering areas such as final products, injection-barrels, mold channels, as well as processing machinery (dryers, grinders etc.) themselves.



Powerful and easy to maintain

The powerful magnetic field can catch ferrous metals and even certain blend-alloys in temperature environment up to 120°C. It simply connects into the material line and, as material passes over, metals stick to the Magnet Stick rod before moving outward.

Once the debris is caught, simply open and wipe it off and –
– tada, metal is gone like magic!



Different types, different resins

The standard type of Magnet Stick can adapt to a variety of applications and flexible resins.

Instead, the G-type is the best solution to work with hard resins, because thanks to its special structure the magnetic bars won't be damaged.

In case of materials that are prone to clogging, the Anti-Clogging type presents a much wider pipe diameter to overcome this specific issue.

Check out the Magnet Stick's potential!

Statik Eliminator

High performance to change positive electric potential to negative



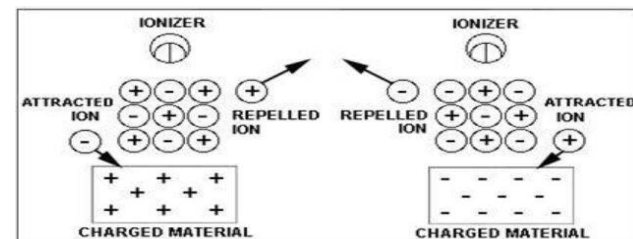
Static electricity is an imbalance of electric charges within or on the surface of a material or between materials. The charge remains until it gets moved away by means of an electric current or electrical discharge.

The new Static Eliminator eliminates electrical static in material-feed hoses for plastic pellets. It can be installed into any material line to ensure more stable flow and to eliminate static in the downstream mold cell process, avoiding possible reabsorptions. An ion-generator balances/neutralize the positive charges within the housing, so pellets are free to pass without static electricity holding them down.

Easy to install and use

An important advantage of the Static Eliminator is that it doesn't require a Matsui loading system to install in line, since it can be retro-fit into any type of loading system using a vacuum-transport principle. Installation takes only minutes, and is powered by a standard AC120V wall outlet. Moreover, use is intuitive: just adjust the + and - amplifier dials on the controller.

Install it, set it, and wave goodbye to static in components!



Works directly on the problem point

The Static Eliminator prevents quality issues, such as white and black, because of its possible installation near the targeted problem-point. Thanks to its modifyable shape, this item can accommodate any in-line material receiver where static is an issue.

Repelletizer

Water free air-cooled solution with low impact on environment

Different types for different needs

In order to fulfill the most various requests with the best performance, the repelletizer offers different configurations that will be able to properly treat different kinds of materials without affecting final quality.



The new repelletizer developed by our solution partner MSK is the optimal item to avoid uneven production because of regrind granules, which sometimes might be too dusty and thus prone to alter viscosity when injecting. Turn your regrind granules into virgin-like pellets. With its contained dimensions that can fit in less than one square meter, the repelletizer is an easy-to-use solution that conjugate optimal quality of the product and low environmental and cost impacts.



The **extended model** presents adjustable cooling and cutting devices, to better treat materials requiring a long curing time.



The **direct model** presents fixed cooling and cutting devices, for the better treatment of materials that require a short curing time.

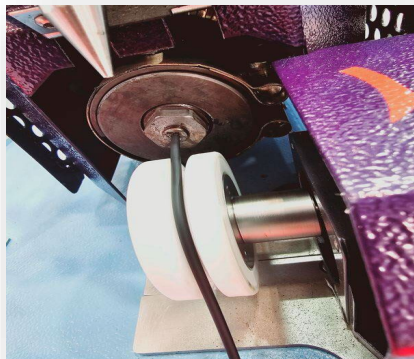
What makes the repelletizer unique?



The touch-screen control panel is intuitive to use: it's easy to manage the temperature, speed of extrusion, rollers, and cutters.



Process is conducted at below material-melting temperatures to preserve the materials' properties and ensure high quality precision in molded parts.



Output from 10 to 20 kg/h depending on material, homogenous in size: 1–3 mm ϕ and 1.5–5 mm length. Depending on the material the ROI can be as short as 10 months.



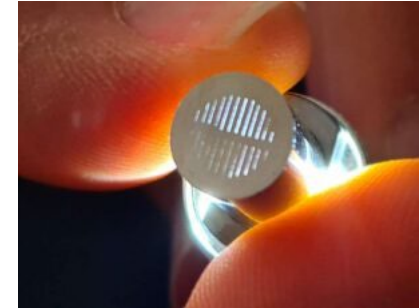
The double-headed configuration of the pelletizer offers two separate hoppers that allow the production of two different types of resin at the same time.

Mold Breather

Gas venting ejector pin made in Japan

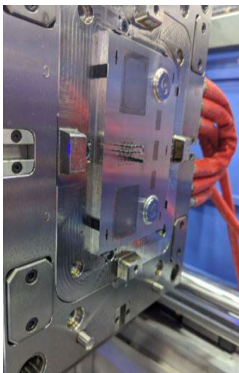


The problem of trapped gases causing product quality defects and corrosion of the tool steel is a very well-known issue. But the dilemma is, how can it be solved without increasing the cycle time and costs? With the positive feedback of more than 2500 customers over many years of experience, Matsui is ready to make its made-in-Japan knowledge available for the European market. Our partners have developed and perfected the unique solution of the Mold Breather, a special ejector pin with 0.02 mm slots that increases mold ventilation by up to 80%. For the best effect, we recommend combining it with our MAG vacuum device.



This item allows to shoot 5000 to 10000 shots without needing to clean the slits. Cleaning is possible by applying a special spray without removing the ejector from the mold. The clamping force is reduced, thus it's possible to save energy with every shot and avoid material waste by reducing quality defects by 50%. Moreover, the amount of micro-stops diminishes, thanks to the reduction in molding and cooling times.

The mold breather can easily adapt to any material: depending on the resin fluidity, in fact, it's possible to use a breather with width between 0,005 and 0,05 mm.



Check out the results

If you're still not fully convinced, you can check out the results this device can bring when it's applied to a functioning mold.

For example, during some trade shows we operated with PC-ABS to mold components that presented a glossy surface, we managed to achieve a non-stop production that lasted the entirety of the events. During these times, the molded parts did not present any defect caused by gas burns and maintained always unchanged visual and mechanical features, injection pressure got significantly reduced and clamping force decreased.

In case you wish to know more about our molding demonstrations, you can read our reports about Fakuma 2023, Plast Eurasia 2023, and Plastpol 2024.

Mold Vacuum Device MAG

Gas suction device to suck the gas
out of the cavity



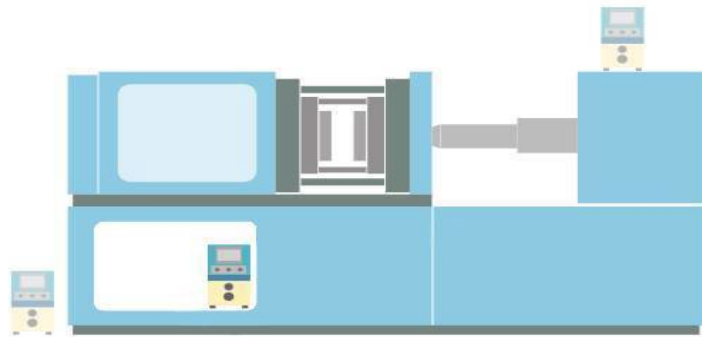
The plastic injection molding sector has to face often the issue of gas generated from resin: gas is caused by the injection of the resin into the mold, by drying and melting of materials. One method to overcome this challenge is gas recovery. A gas vent is added to the runner part or mold of the molded product to let the gas escape.

The mold gas suction device MAG-01P/-02P prevents gas from adhering to the mold.
You can ventilate your mold with our Mold Breather pins.

Compact design and easy maintenance

Thanks to its compact size, it's possible to install the MAG close to the molding unit even in narrow spaces. The short distance between the tubes allows for high suction efficiency when into action.

Moreover, the filter situated on the back of the device is able to completely catch the sucked gases. It is equipped with filter exhaust air speedometer, so that it's possible to constantly monitor the situation and avoid missing the routine maintenance timing.

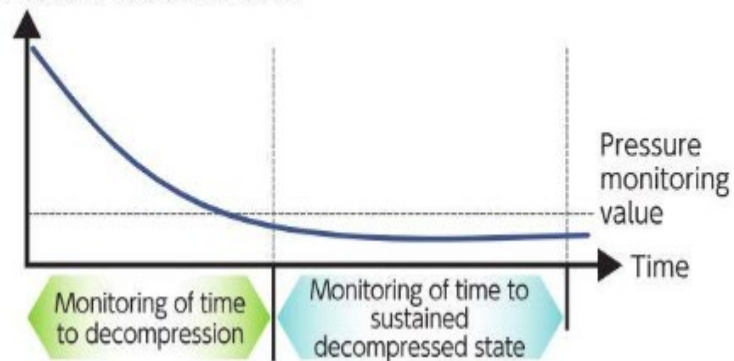


Suction without cooling

To avoid oversucking, the MAG allows to select two suction modes, that can be adjusted in 0.1-interval seconds to optimize the process.

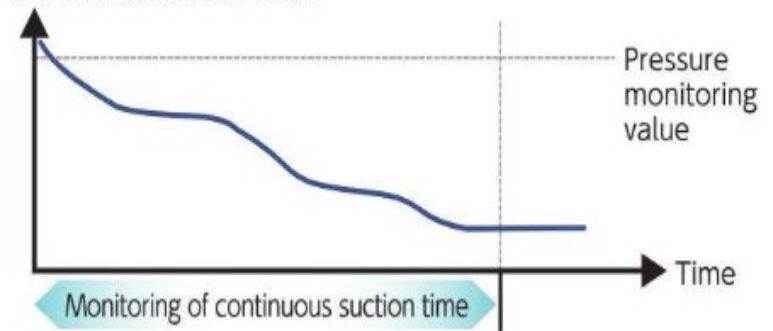
Pressure control

Pressure inside the mold



Timer control

Pressure inside the mold



Technical Specifications

Model MAG-		-01P	-02P
Güç Beslemesi (AC)		100-240V 50/60 Hz	
Çıkış (W)		120	
Birincil Hava Basıncı (MPa)	0.45	1.83 L/sn hava tüketimi	3.66 L/sn hava tüketimi
	0.5	2 L/sn hava tüketimi	4 L/sn hava tüketimi
	0.6	2.33 L/sn hava tüketimi	4.66 L/sn hava tüketimi
50 kPa vakum oluşturma süresi.	Basınç 0.45 MPa	0.37 sn/L	0.18 sn/L
	Basınç 0.5 MPa	0.3 sn/L	0.15 sn/L
	Basınç 0.6 MPa	0.26 sn/L	0.13 sn/L
90 kPa vakum oluşturma süresi.	Basınç 0.45 Mpa	2.2 sn/L	1.1 sn/L
	Basınç 0.5 MPa	2.4 sn/L	1.2 sn/L
	Basınç 0.6 MPa	2.4 sn/L	1.2 sn/L
Ağırlık (kg)		11.8	13.5
Dış Boyutlar (mm)		L350 x W180 x H280	L380 x W180 x H350