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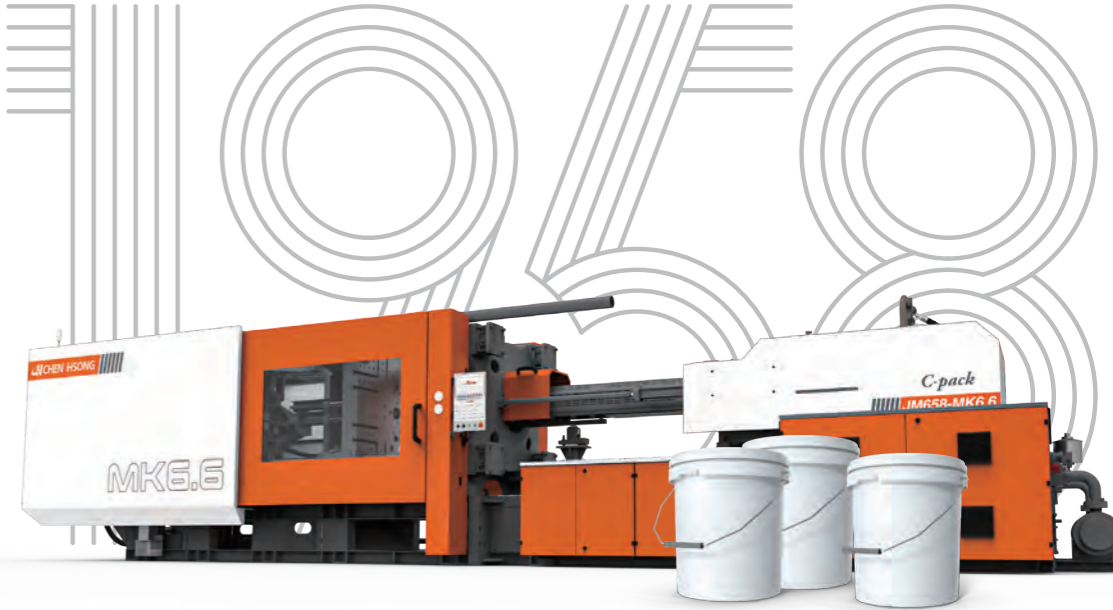
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C-pack

Specialised for the production of pails and buckets

328-800 T

SINCE



High-Precision, High-Stability Injection

Balanced dual injection cylinders

- Ensure precise nozzle alignment, enhancing stability during high-speed motion while also preventing leaks.

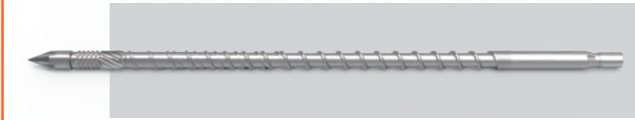
Precision Servo-Drive Control

- High speed CPU enables microsecond-class rapid responses and precision control of the injection process, ensuring superior dynamic accuracy and consistent pressure profile for high repeatability and part stability.
- Power efficiency is also enhanced via proprietary dynamic energy control algorithms.

High-Speed Recovery with Efficiency

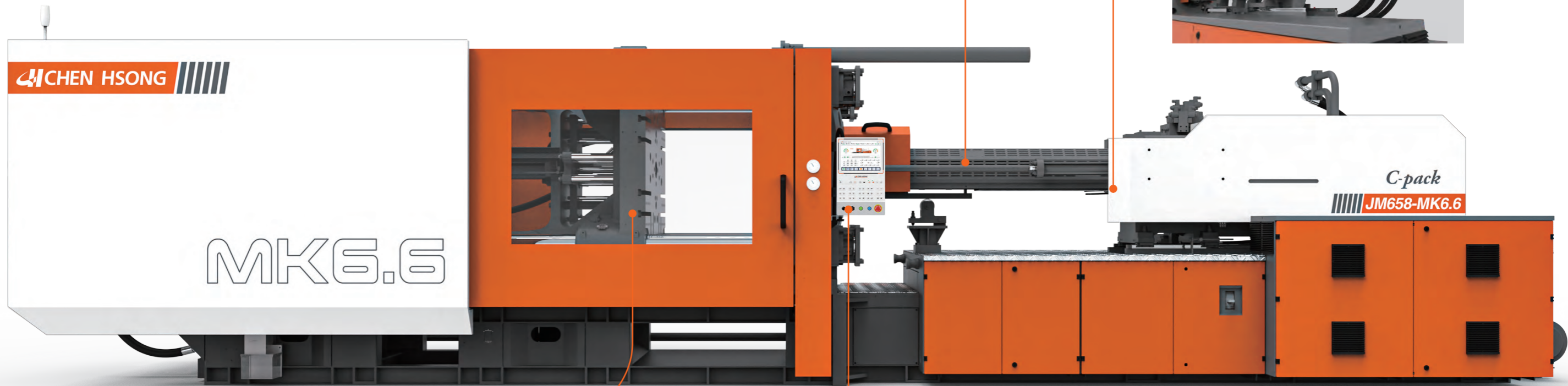
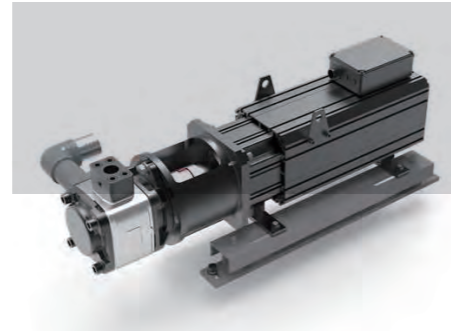
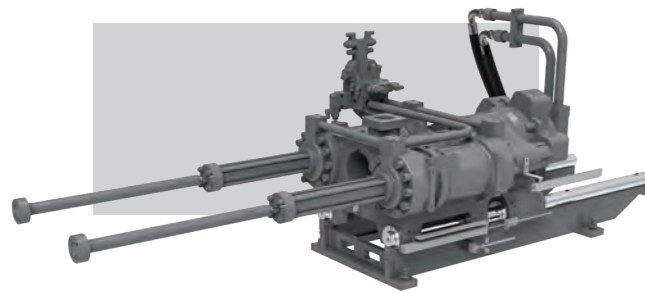
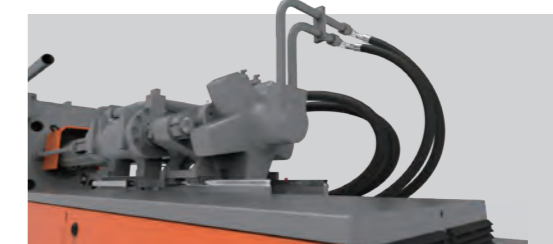
Specialised screw for olefin resins (especially PP)

- Prioritising speed and melt quality with good mixing.
- Also ideal for processing resins with various additives such as anti-oxidants and anti-corrosion.



High-Speed, Wear-Resistant Hydraulic Motor

- Higher torque for reliable high-speed recovery and a consistent melt.
- Lower wear and longer life ensures many years of consistent performance.



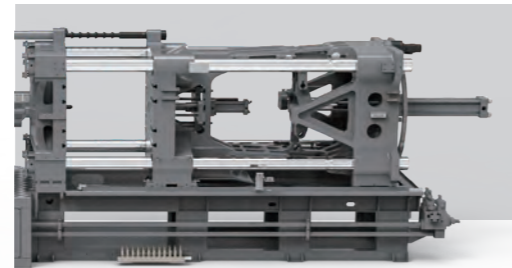
Flexible & High-Rigidity Clamping Unit

T-Slots and Mounting Holes

- T-slots plus mounting holes are standard to facilitate quick and easy mould changes, plus flexibility to handle all varieties of moulds.

Specially-Strengthened Clamping Unit

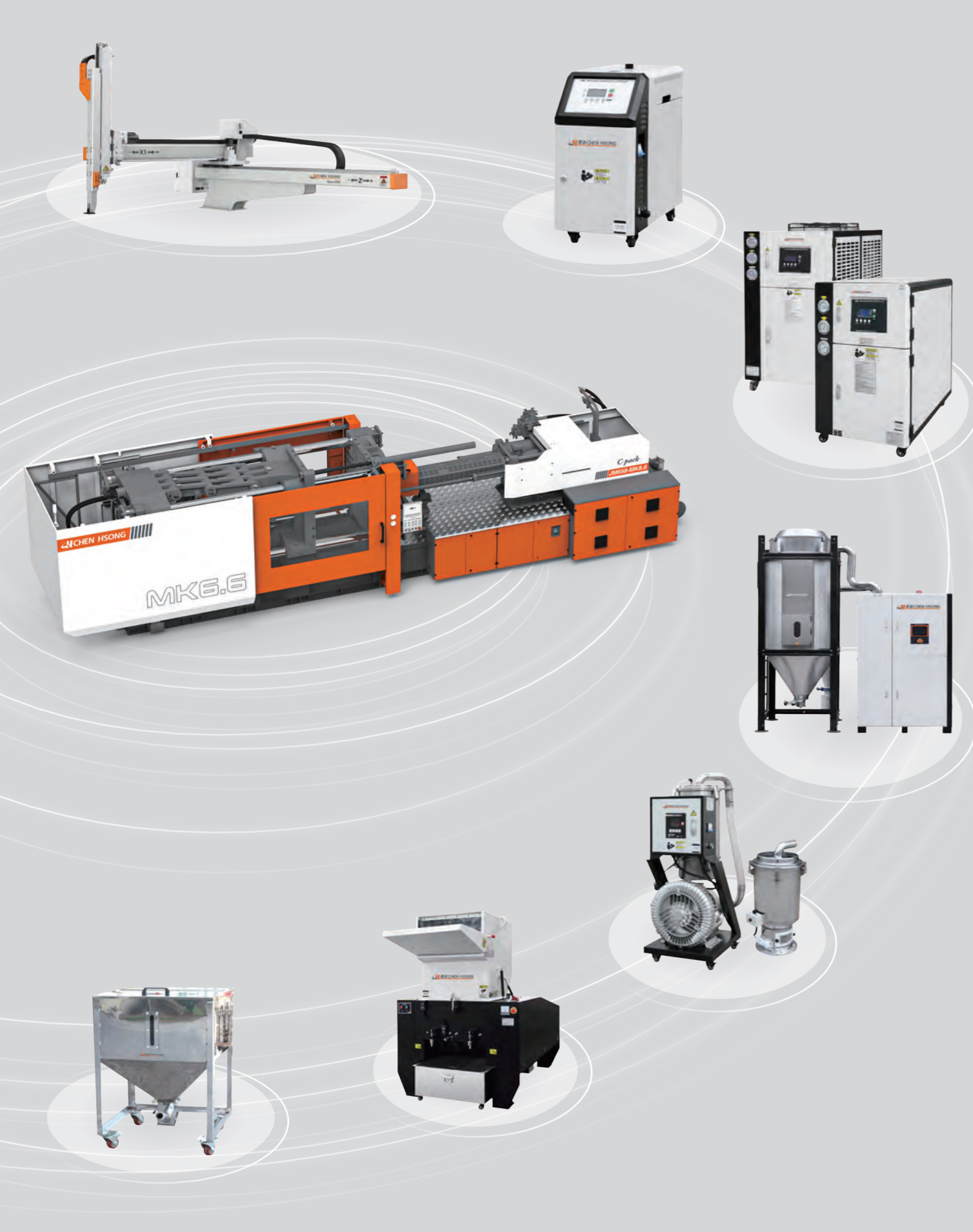
- Through advanced stress simulation and computer optimisation, the clamping unit is specially strengthened with high rigidity, ensuring the lowest possible deformation for consistent high product quality over long usage life.
- Long opening stroke allows for the full range of deep cavity moulds.



High-Response Advanced Controller

- Multi-core CPU with microsecond-class scan time (<math><150\mu\text{s}</math>) plus industrial-grade components for reliable operation in demanding environments (-20°C to 65°C).
- Wide applicability from high-precision, low-pressure, low-speed, small-shot-weight parts (0.1g) to ultra-high-speed, high-pressure, thin-walled parts (up to 800mm/s).
- Data is persisted to F-RAM for secure and reliable storage.





Solutions for Smart Manufacturing

We offer integrated smart manufacturing solutions, combining take-out robots, automated loading systems, dehumidifiers, granulators and temperature controllers to meet diverse automation needs and enhance production efficiency and flexibility.

Chen Hsong Intelligent Solution Specifications

Auxiliary Equipment/Size	Key Specifications	JM328 C-pack	JM488 C-pack	JM658 C-pack	JM800 C-pack
Take-out Robot XS (Drive & Control Separated Series)		CHS3-CPW100-XS	CHS3-CPW130-XS	CHS3-NPW150-E2	CHS3-NPW150-E
	Vertical Stroke	1000 mm	1300 mm	1500 mm	1500 mm
	Horizontal Stroke	1600 mm	1800 mm	2200 mm	2200 mm
	Max. Payload	5 kg (Includes Fixtures)	8 kg (Includes Fixtures)	12 kg (Includes Fixtures)	25 kg (Includes Fixtures)
	Drive Type	Servo-driven	Servo-driven	Servo-driven	Servo-driven
Mould Temperature Controller		CH-KMW-9S / CH-KMW-9Y	CH-KMW-18S / CH-KMW-18Y		
	Heating Capacity	9kW, 12 kW	9kW, 12 kW	18 kW	18 kW
	Temperature Range	35°C - 120°C (180°C optional)	25°C - 160°C	35°C - 120°C (180°C optional)	25°C - 160°C
	Pump Power	0.5HP, 1HP	0.5HP, 1HP	2HP	2HP
	Heat Transfer Media	Water	Oil	Water	Oil
Chiller		CH-KLS-05S/CH-KLS-05F	CH-KLS-10S/CH-KLS-10F	CH-KLS-15S/CH-KLS-15F	CH-KLS-20S/CH-KLS-20F
	Cooling Capacity	11.5 kW	23 kW	35 kW	46.5 kW
	Compressor Power	5HP	10HP	15HP	20HP
Dehumidifier /Dryer		CH-KCS-100-A	CH-KCS-200-A	CH-KCS-300-A	CH-KCS-400-A
	Hopper Capacity	100 kg	200 kg	300 kg	400 kg
	Heating Power	5 kW	10 kW	12 kW	15 kW
	Fan Power	0.75 kW	1.1 kW	1.5 kW	2.2 kW
Auto-Loader		CH-KXL-800G1	CH-KXL-900G1 Opening Version	CH-KXL-900G3 Opening Version	CH-KXL-900G5 Opening Version
	Power Pack	1.5HP/1.1 kW	1.5HP/1.1 kW	3HP/2.2 kW	5HP/3.8 kW
	Type	Inductive	Inductive	Inductive	Inductive
	Feeding Capacity	400 kg/h	400K kg/h	550 kg/h	700 kg/h
	Hopper Capacity*	7.5 L	7.5 L	7.5 L	12 L
*Larger-sized auto-loaded is recommended for >20% recycled content.					
Granulator		CH-PC250	CH-PC300	CH-PC400	CH-PC500
	Power Pack	4 kW/5HP	5.5 kW/8HP	7.5 kW/10HP	11 kW/15HP
	Shredding Diameter	250 mm×200 mm	310 mm×220 mm	410 mm×250 mm	510 mm×270 mm
	Shredding Capacity	250 kg/h	300 kg/h	400 kg/h	500 kg/h
Hopper Capacity		CH-50 KG	CH-100 KG	CH-200 KG	
	Hopper Dimensions	50 kg	100 kg	200 kg	
	Length* Width* Height*	520 mm×520 mm×880 mm	620 mm×620 mm×880 mm	750 mm×750 mm×1100 mm	
Conveyor Belt	Customised from product dimensions and weight				

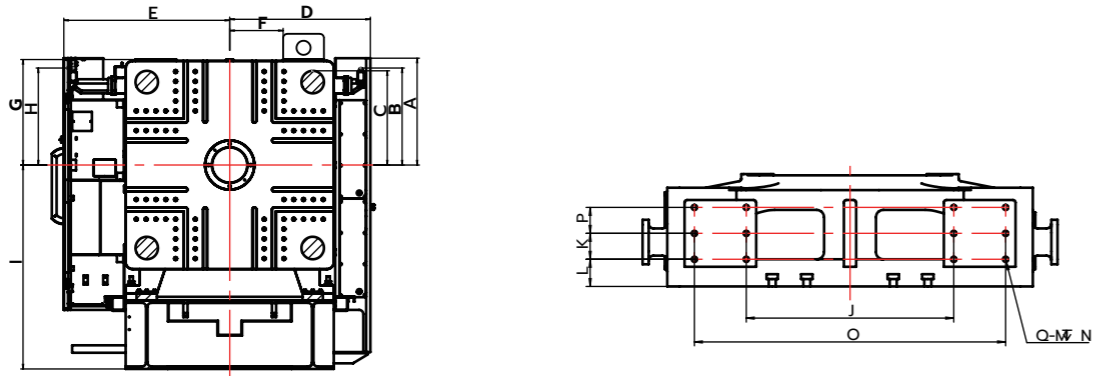
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C-pack Features Table (Standard/Optional)

Injection Unit	Features	Standard/Optional	Hydraulics and Power Pack	Features	Standard/Optional
	Specialised Screw and Barrel Optimised for Olefins	●		High Precision By-Pass Oil Filter	●
	Specially-Strengthened Injection Unit	●		High-Efficiency Oil Cooler	●
	High-Speed, Wear-Resistant Hydraulic Motor	●		Oil Temperature Sensor	●
	Balanced Dual Injection Cylinders	●		Ejection-on-fly (658-800 ton)	○
	Manual Lubrication Pump for Injection Unit	●		Enlarged Power Pack	○
	Feed-Throat Temperature Control	●		Proportional Valve for Clamping	○
	Digital Back Pressure Control	●		Oil Temperature Control with Alarm	○
	Ceramic Heater Bands	●			
	PID Nozzle Temperature Control	●			
	Servo-Motor Plasticising (eDrive)	○			
	Valve gates control	○			
	Automatic Lubrication for Injection Unit	○			
	Infrared Heater Bands	○			
Clamping Unit	Features	Standard/Optional	Electricals	Features	Standard/Optional
	T-Slots & Mounting Holes	●		12" Touch-Screen Controller	●
	Automatic Lubrication for Clamp	●		Robot Interface with Connectors	●
	Air Blows (Fixed platen: 1x, Moving platen: 2x)	●		Tri-Colour Status Indicator	●
	Automatic Mould Protection	●		Fully Networkable for Industrie 4.0	○
	Automatic Mould Thickness and Clamping Force Adjustment	●		Digital Electric Meter	○
	Manual Lubrication Pump on Mould Height Adjust	○		Additional Power Sockets	○
	Additional Air Blows	○			
	Specialised Water Manifolds	○			

“●” Standard Feature, “○” Optional Feature.

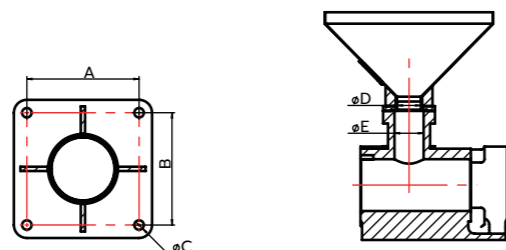
C-pack Robot Mounting



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
JM328 C-pack	590	437	435	730	749	312	485	437	1420	240	130	65	M20	40	/	/	4
JM488 C-pack	718	566	535	867	867	400	590	566	1400	250	150	65	M20	40	/	/	4
JM658 C-pack	732	658	600	973	973	515	673	658	1450	840	140	105	M20	40	/	/	4
JM800 C-pack	760	690	670	1000	1180	/	750	690	1450	840	105	110	M24	48	1260	105	12

C-pack Feed-throat Dimensions

	A	B	C	D	E
JM328 C-pack	130	130	12	73	75
JM488 C-pack	130	130	12	73	90
JM658 C-pack	130	130	12	73	98
JM800 C-pack	130	130	17	87	110



C-pack Series Specifications

Injection Unit

		JM328 C-pack	JM488 C-pack	JM658 C-pack	JM800 C-pack
Shot Weight (PS)	g	1074	2042	2603	3430
Swept Volume	cm ³	1180	2244	2861	3770
Screw Diameter	mm	67	83	90	98
Injection Pressure (Max.)	kgf/cm ²	1815	1723	1755	1786
Screw Stroke	mm	335	415	450	500
Screw Rotation Speed (Max.)	rpm	205	220	200	180
Injection Rate	cm ³ /s	422	676	830	930
Injection Speed (Calculated)	mm/s	120	125	131	123
Screw L/D Ratio		25	25	25	25
Nozzle Force (Max.)	ton	9	9	9	16.7
Nozzle Stroke	mm	360	420	460	560

Clamping Unit

		JM328 C-pack	JM488 C-pack	JM658 C-pack	JM800 C-pack
Clamping Force	ton	328	488	658	800
Opening Stroke	mm	600	770	920	1050
Space Between Tie Bars (H * V)	mm	660X660	810X810	910X900	1020X1020
Mould Thickness (Min-Max)	mm	220-660	275-810	350-920	400-1000
Max. Daylight	mm	1260	1580	1840	2050
Ejector Force	ton	7.7	11.1	18.2	18.2
Ejector Stroke	mm	170	220	265	280
Mould Register Hole	mm	160	200	200	250

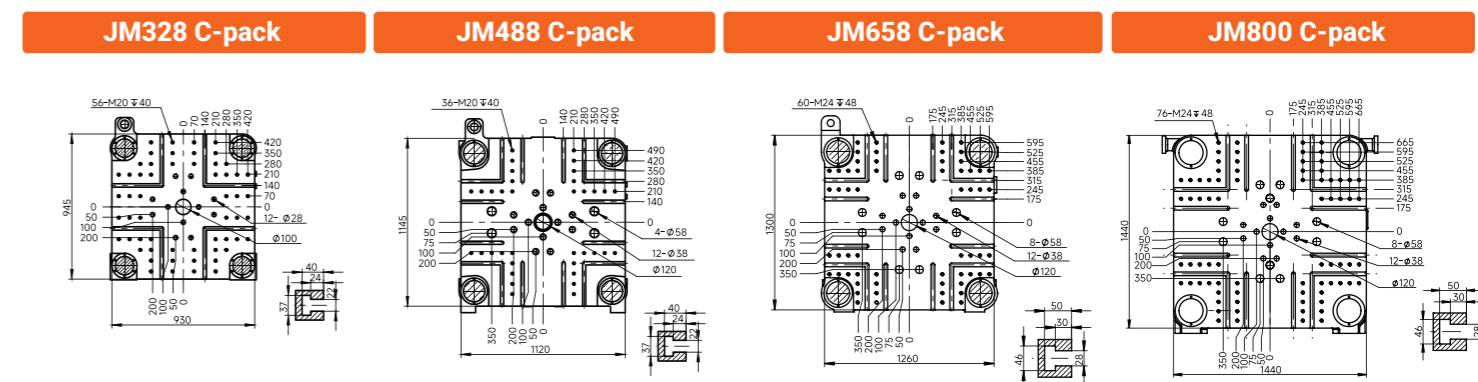
Power Pack

		JM328 C-pack	JM488 C-pack	JM658 C-pack	JM800 C-pack
System Pressure	MPa	17.5	17.5	17.5	17.5
Pump Power	kW	59	102	118	131
Heating Power	kW	30.3	48.9	53	59.3
Temperature Control Zone		4+1	5+1	6+1	6+1

Others

		JM328 C-pack	JM488 C-pack	JM658 C-pack	JM800 C-pack
Machine Dimensions (L*W*H)	m×m×m	6.9×1.7×2.4	8.6×1.9×2.4	10.2×2.1×2.5	10.9×2.4×2.5
Oil Tank Capacity (approx.)	L	600	900	1150	1250

Platen Dimensions



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