

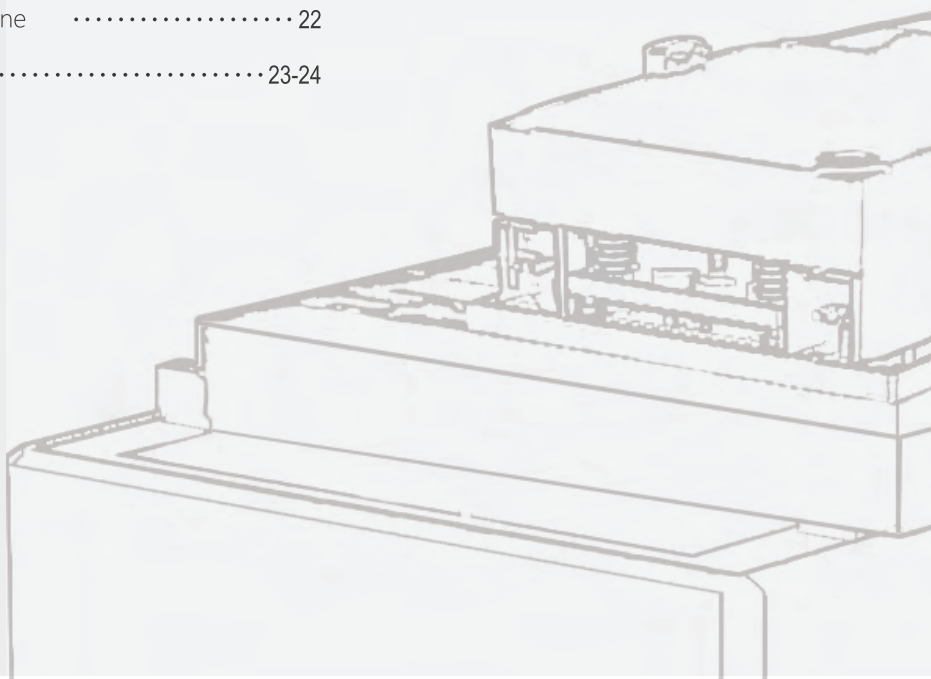
DIE SPOTTING PRESS

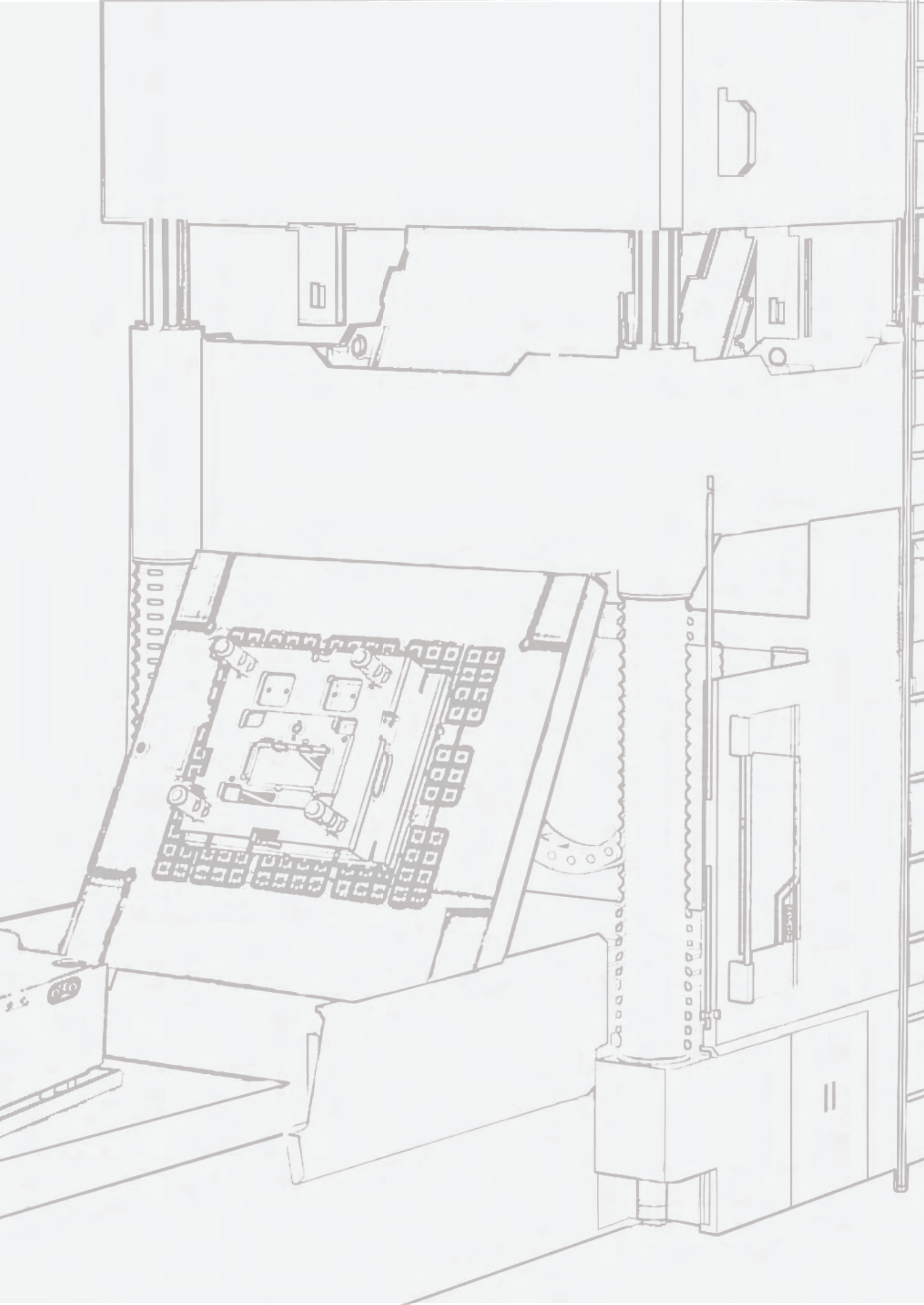
ES VERSION



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About SXKH



The headquarters of SXKH Industry is located in Ningbo, China, and we are dedicated to providing peripheral equipment of Die & Mold industry to global customers.

SXKH, founded by Mr. Guangshun Cai in 2009, is a typical family company. SXKH Industry consists of below companies.



Ningbo Shunxingkaihao Machinery Co., Ltd.

Located in Ningbo, China, it is mainly engaged in designing, producing and selling Die Spotting Press, Mold Flipper, Mold Inspection Machine, Hydraulic Clamps and Electro-permanent Magnetic Chuck. Ningbo SXKH owns two plants in Ningbo with annual output of 200 sets of die spotting presses, which is one of the first domestic manufacturers of die spotting press.

Shanghai SXKH Automation CO., Ltd.

Located in Shanghai, China, it is mainly engaged in providing import service of High-end equipment from Europe and America to Chinese market, including installation and after-sales service. For instance: the six-axis machining center from Moldmak, Portugal, which is the world leading company in Milling & Drilling machine. Meanwhile, Shanghai SXKH also provides Chinese top-quality mold & tool processing equipment to global customers.

SXKH Automation India Private Limited

Located in New Delhi, India, it is responsible for all businesses in India market of SXKH Industry.

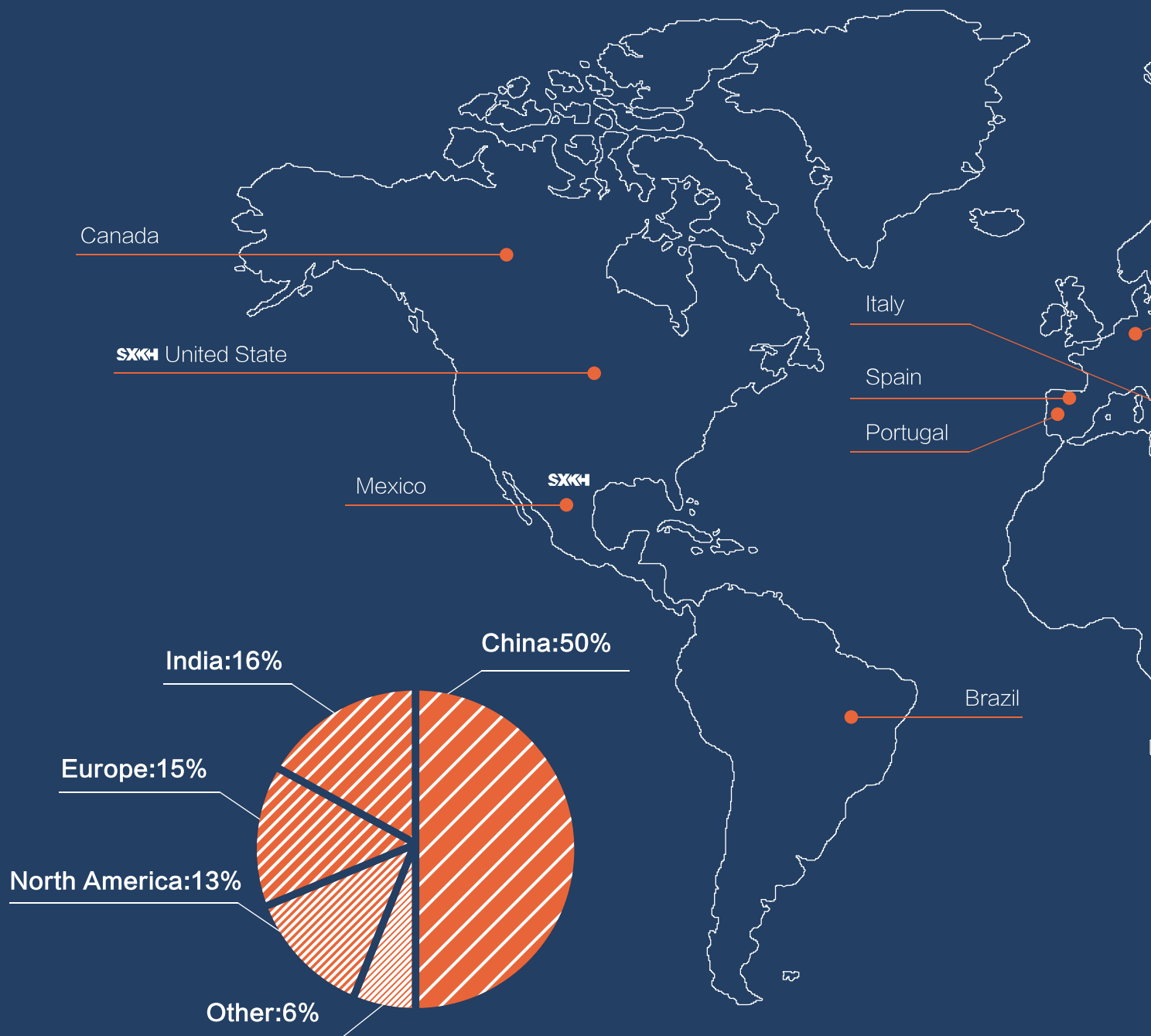
SXKH(HONG KONG)Industry Limited

Located in Hongkong, it is mainly engaged in the development of SXKH Industry business and industrial investment.

Ningbo Trans-Artisan Translation Co., Ltd.

As an independent language service enterprise under SXKH Global, it provides strong multi-language support for Chinese manufacturing enterprises to enter the international market.

SXKH GLOBAL



**SXKH Global
Strategic
Partners**

SXKH Mexico Office

USA Show Room
Canada Representative

SXKH Germany Office

Spain Representative
Portugal Representative

We wish to have our presence across the world.
We also sincerely welcome new partners to join hands with SXKH
to help us reach out to global industries.



SXKH Indian Company

Turkey Representative
Italy Representative

Thailand After-sales Service Office
Vietnam After-sales Service Office

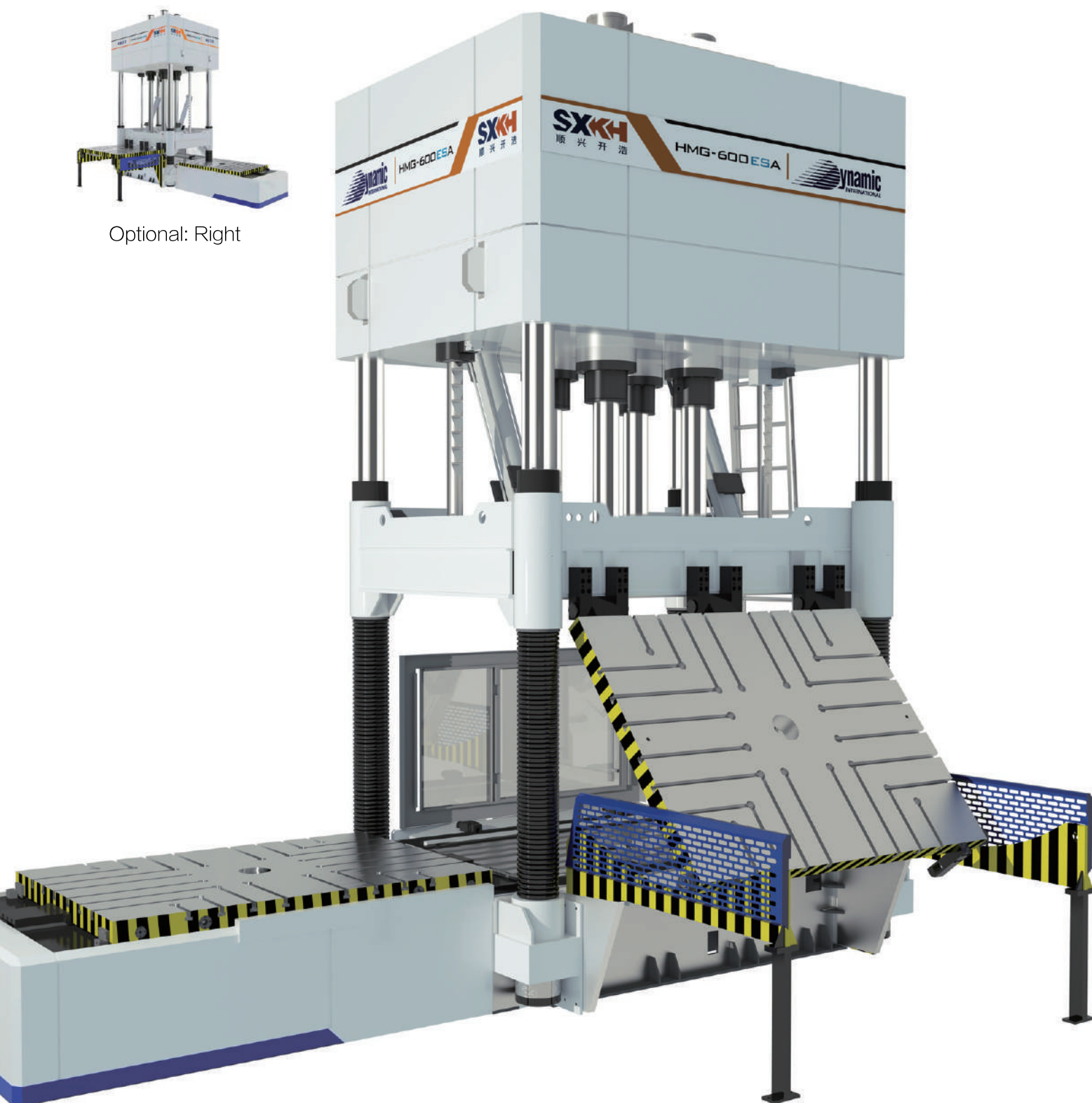
Taiwan, China Representative
Hongkong, China company



HMG-ES Two Way



Optional: Right



■ HMG-70ES~HMG-300ES

	HMG-70ES 1008	HMG-120ES 1411	HMG-120XES 1614	HMG-280ES 2016	HMG-300ES 2520	HMG-300ES 3020
Max. Clamping Force (T)	700	1200	1200/1600	2800	3000	3000
Max. Opening Force (T)	220	260	400	500	700	700
Load Capacity on Upper Platen (T)	2.5	4	10	15	22	26
Load Capacity on Lower Platen (T)	4	8	16	30	42	50
Platen Dimension (mm)	1000x800	1400x1100	1600x1400	2000x1600	2500x2000	3000x2000
Distance Between Pillars (mm)	940	1300	1620	1800	2280	2280
Max. Daylight (mm)	1200	1500	1800	1900	2500	2700
Min. Daylight (mm)	150	200	200	200	400	400
Overturn Degree for Upper Platen (°)	180	180	180	180	180	180
Max. Ejector Force (T)	3	3	7	10	10	10
Stroke for Ejector Testing (mm)	220	220	250	250	250	300
Machine Dimension (mm)	2950x2900 x4200	4000x3850 x4750	4400x3950 x5500	5200x4060 x6000	6500x5260 x7300	7600x5670 x7850
Total Weigh (T)	9	20	23/25	36	61	75

■ HMG-350ES~HMG-1000ES

	HMG-350ES 3025	HMG-400ES 3525	HMG-500ES 4025	HMG-500ES 4030	HMG-800ES 4235	HMG-1000ES 5042
Max. Clamping Force (T)	3500/4000	4000	5000	5000/6000	8000	10000
Max. Opening Force (T)	1000	1500	1600	1600	2100	2400
Load Capacity on Upper Platen (T)	32	32	40	50	80	110
Load Capacity on Lower Platen (T)	60	70	80	90	160	210
Platen Dimension (mm)	3000x2500	3500x2500	4000x2500	4000x3000	4200x3500	5000x4200
Distance Between Pillars (mm)	2780	2820	2820	3320	3800	4500
Max. Daylight (mm)	3000	3200	3200	3700	4100	4500
Min. Daylight (mm)	400	400	400	400	400	450
Overturn Degree for Upper Platen (°)	180	180	180	180	180	180
Max. Ejector Force (T)	12	12	12	12	20	20
Stroke for Ejector Testing (mm)	300	300	300	300	300	300
Machine Dimension (mm)	7600x6260 x8350	8900x6500 x9400	9900x6500 x9400	9900x7500 x10400	10350x9185 x11550	11000x9985 x12500
Total Weigh (T)	91	130	150	180	235	320

■ Workflow

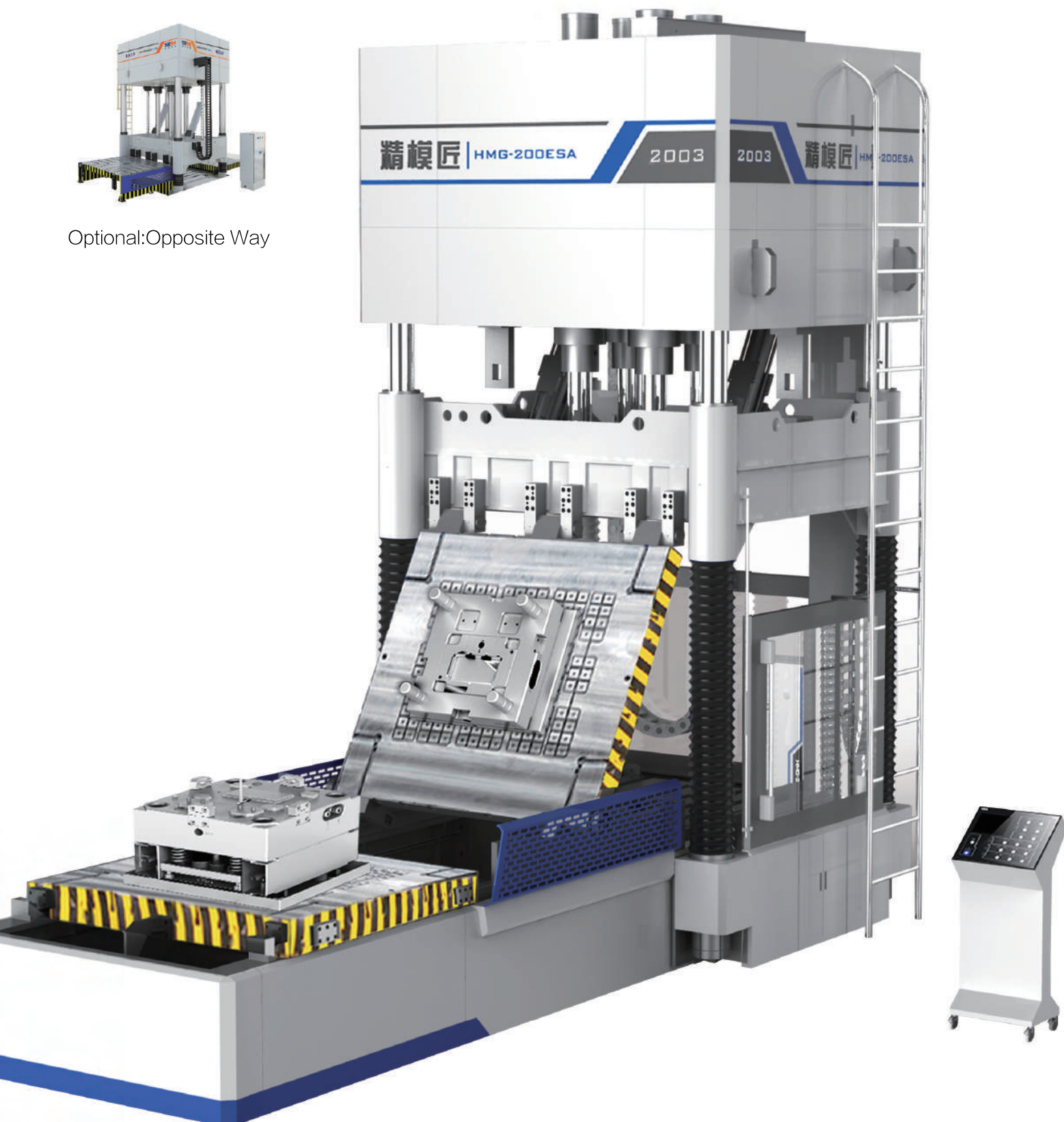




HMG-ES One Way



Optional: Opposite Way



■ HMG-70ES~HMG-300ES

	HMG-70ES 1008	HMG-120ES 1411	HMG-120XES 1614	HMG-280ES 2016	HMG-300ES 2520	HMG-300ES 3020
Max. Clamping Force (T)	700	1200	1200/1600	2800	3000	3000
Max. Opening Force (T)	220	260	400	500	700	700
Load Capacity on Upper Platen (T)	2.5	4	10	15	22	26
Load Capacity on Lower Platen (T)	4	8	16	30	42	50
Platen Dimension (mm)	1000×800	1400×1100	1600×1400	2000×1600	2500×2000	3000×2000
Distance Between Pillars (mm)	1210	1665	1880	2260	2870	3370
Max. Daylight (mm)	1200	1470	1800	1900	2440	2640
Min. Daylight (mm)	150	170	200	200	340	340
Overturn Degree for Upper Platen (°)	180	180	180	180	180	180
Max. Ejector Force (T)	3	3	7	10	10	10
Stroke for Ejector Testing (mm)	220	220	250	250	250	300
Machine Dimension (mm)	4200×1700 x3800	5400×2000 x4750	6000×2650 x5500	6600×2950 x6000	8100×3600 x7300	8100×4200 x7850
Total Weigh (T)	9	20	23/25	36	61	75

■ HMG-350ES~HMG-1000ES

	HMG-350ES 3025	HMG-400ES 3525	HMG-500ES 4025	HMG-500ES 4030	HMG-800ES 4235	HMG-1000ES 5042
Max. Clamping Force (T)	3500/4000	4000	5000	5000	8000	10000
Max. Opening Force (T)	1000	1500	1600	1600	2100	2400
Load Capacity on Upper Platen (T)	32	32	40	50	80	110
Load Capacity on Lower Platen (T)	60	70	80	90	160	210
Platen Dimension (mm)	3000×2500	3500×2500	4000×2500	4000×3000	4200×3500	5000×4200
Distance Between Pillars (mm)	3370	3900	4400	4400	4600	5400
Max. Daylight (mm)	3000	3200	3200	3700	4100	4500
Min. Daylight (mm)	400	400	400	400	400	450
Overturn Degree for Upper Platen (°)	180	180	180	180	180	180
Max. Ejector Force (T)	12	12	12	12	20	20
Stroke for Ejector Testing (mm)	300	300	300	300	300	300
Machine Dimension (mm)	10100×4200 x8350	10100×4900 x9400	10100×5400 x9600	11600×5400 x10400	13000×5450 x10900	15305×7000 x12500
Total Weigh (T)	92	132	153	180	235	320

■ Workflow





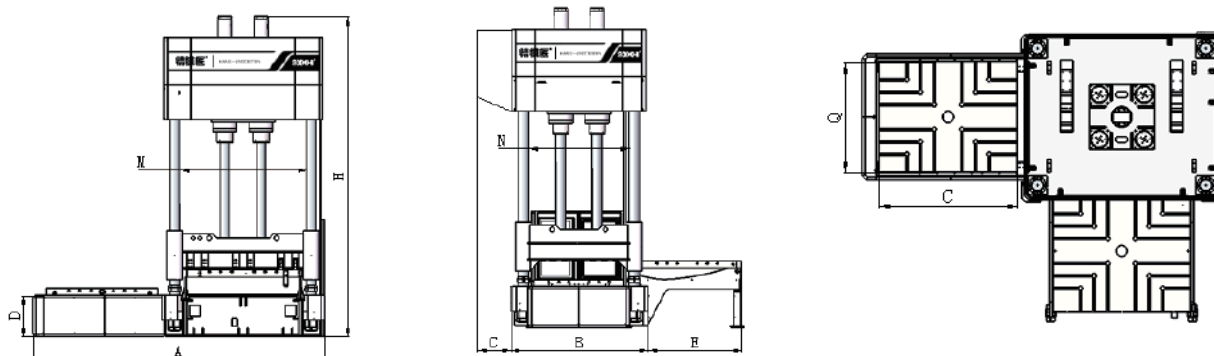
The Customer Side







Machine Dimension



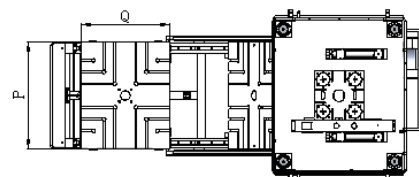
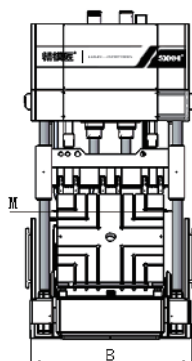
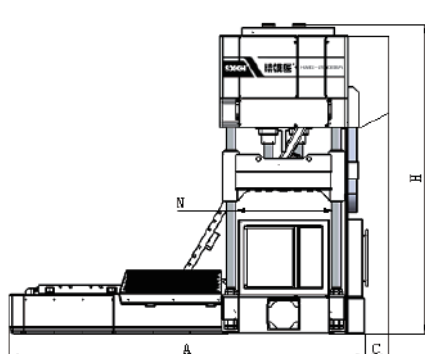
Two Way	A	B	C	D	H	M	N	E	P	Q
HMG-70ES1008	2950	1250	650	530	4200	1210	940	1000	1000	800
HMG-120ES1411	4000	1700	600	630	4750	1665	1300	1550	1400	1100
HMG-120XES1614	4400	2300	0	730	5500	1880	1620	1650	1600	1400
HMG-280ES2016	5200	2300	0	790	6000	2260	1800	1760	2000	1600
HMG-300ES2520	6500	3000	0	930	7300	2870	2280	2260	2500	2000
HMG-300ES3020	7600	3200	0	980	7850	3370	2280	2250	3000	2000
HMG-350ES3025	7600	3500	0	1080	8350	3370	2780	2760	3000	2500
HMG-400ES3525	8900	3600	0	1130	9400	3920	2820	2900	3500	2500
HMG-500ES4025	9900	3600	0	1130	9400	4420	2820	2900	4000	2500
HMG-500ES4030	9900	4100	0	1130	10400	4420	3320	3400	4000	3000
HMG-800ES4235	10350	5285	0	1230	10900	4600	3900	3900	4200	3500
HMG-1000ES5042	11000	5385	0	1230	12500	5400	4020	4600	5000	4200

■ Die Spotting press is the most sure & safe way to check the butting of core & cavity of Die & Mould.

It allows you to conveniently match all the parts of the mould in more comfortable position. Check and finish the die at one place in more ergonomic position.

WHY DIE SPOTTING PRESS:

- No more dangerous die / mould handling by means of cranes, forklift trucks or lifting equipment.
- No more spotting on injection moulding machines, which are cost-intensive and difficult to access.
- Optimal accessibility and ergonomics by means of rotating and tilting platens.
- Low operating and maintenance costs.
- High Flexibility.
- Considerable reduction of correction grinding through reproducibility.



One Way	A	B	C	D	H	M	N	P	Q
HMG-70ES1008	4200	1700	650	530	3800	1210	940	1000	800
HMG-120ES1411	4800	2200	600	630	4750	1665	1300	1400	1100
HMG-120XES1614	6000	2650	0	730	5300	1880	1620	1600	1400
HMG-280ES2016	6600	2950	0	790	6000	2260	1800	2000	1600
HMG-300ES2520	8100	3600	0	930	7300	2870	2280	2500	2000
HMG-300ES3020	8100	4200	0	980	7850	3370	2280	3000	2000
HMG-350ES3025	10100	4200	0	980	8350	3370	2800	3000	2500
HMG-400ES3525	10100	4900	0	1130	9400	3900	2800	3500	2500
HMG-500ES4025	10100	5400	0	1130	9600	4400	2800	4000	2500
HMG-500ES4030	11600	5400	0	1130	10400	4400	3300	4000	3000
HMG-800ES4235	13300	5450	0	1230	10900	4600	3900	4200	3500
HMG-1000ES5042	15305	7000	0	1230	12500	5400	4020	5000	4200

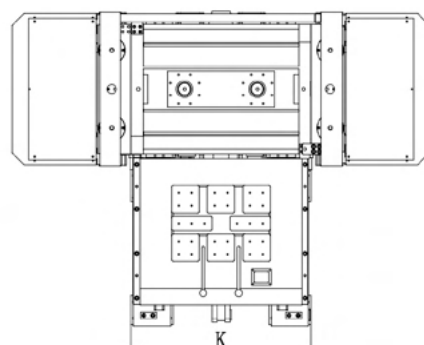
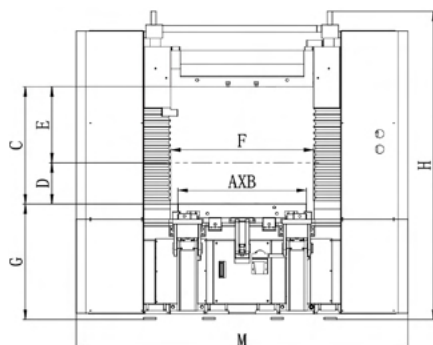
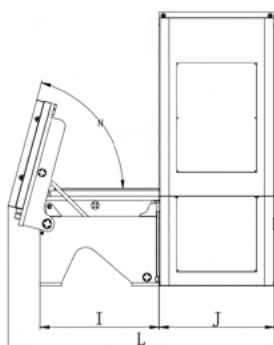
The Advancements and Advantages

High standard of configuration ensures the excellent performance of press, and all the main components for mechanical processing are manufactured by imported machining center, to ensure machining precision of press elements. The shift-out rail of lower platen adopts wear resistant rail with intensified handle and large-scale dust-proof device; Hydraulic system adopts optimal combination of imported high performance hydraulic elements, and oil pump hydraulic valve is the world first-class brand.

- CE Marked product with Certificate of Conformity ,North American LPC Electrical Safety Certification
- Using high tensile rod to provide higher accuracy and to make more convenient for platen parallelism adjustment when the mold is closed with high pressure.
- Achieving digital PLC controlled by computer, all of the parameters can be displayed by the Siemens touch screen and free to set up.
- Four Encoders with optional function to measure parallelism real time and protect mold during the clamping period.
- Sufficient Safety Devices and Pneumatic-mechanical locks for upper table.
- Using four mold clamping cylinders to make stress even when the mold is closed with high pressure.
- Using quick cylinder device, it speeds up null stroke without mold closing, and it makes lower energy consumption and more energy conservation.
- Using Anti-dropping, safety devices with suspension type to make your mold and machine safer.
- Using Oil-free self-lubrication, it makes the machine cleaner and more environmentally friendly.
- Providing practical reliable failure detection and alarm and low-pressure mold protection functions.



XS Series Die Spotting Press



Model	Unit	HMG-30XS0706	HMG-30XS1008	HMG-50XS1310	HMG-70XS1510
Max. Clamping Force	kN	300	300	500	700
Max. Opening Force	kN	200	200	300	500
Table Size(A*B)	mm	700*600	1000*800	1300*1000	1500*1000
Max. Daylight	mm	800	920	1200	1200
Min. Daylight	mm	250	320	450	450
Load Capacity on Lower Platen	kg	2500	4000	7000	8000
Load Capacity on Upper Platen	kg	1000	1500	2500	2500
Down Speed of Upper Platen	mm/s	6-25	6-25	6-20	6-20
Up Speed of Upper Platen	mm/s	20	20	15	15
Rotating Speed of Upper Platen	rmp	2	2	2	2
Power	kw	6.5	9.2	9.2	12

	C	D	E	F	G	H	I	J	K	L	M	N
HMG-30XS0706	800	250	550	850	900	2350	770	880	900	1700	2300	-
HMG-30XS1008	920	320	600	1100	900	2400	950	1050	1200	2200	2650	75
HMG-50XS1310	1200	450	750	1400	850	2750	1250	1160	1300	2800	3200	75
HMG-50XS1510	1200	450	750	1600	850	2750	1250	1160	1300	2800	3500	75

- Ultra-low machine height, solve the height restriction problem of traditional die spotting press.
- Small worktable size, suitable for small size precision mold.
- Equipped with electro permanent magnetic chuck.
- Full close-loop servo system, conveniently adjust machine precision whenever necessary.
- Additional mold clamping booster device (patented product)
- Ergonomic design to ease the lumbar muscle strain of operator.

Workflow



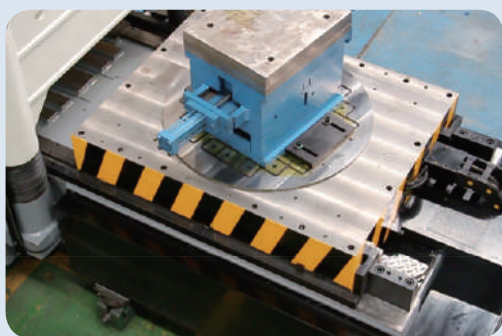


New Functions of Die Spotting Press

1 The Lower Platen Can be Tilted Both Front and Back by 70°

SXKH two way type die spotting press has the optional function of 70° tilting front and back, for the lower platen.

This function enables lower platen to tilt by 70° once lower platen move out. Thus operator can repair mold without bend down, which greatly eases the lumbar muscle strain injury of operators.



2 Rotary Table

Lower Platen has rotary function from 0° to 120° to 240° or 0° to 180°. This function is mainly used for the tryout of two-color and three-color molds. Machine can be equipped with electric permanent magnet chuck to furtherly ensure the precision of multi-color molds and improve the mold tryout efficiency.

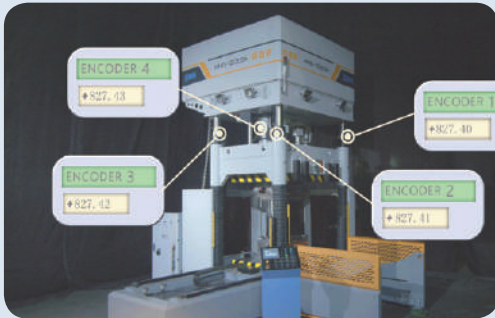


3 Siemens Control System

All SXKH Die spotting presses adopt Germany Siemens PLC control system.

- Remote assistance module.
- The operation of the die spotting press can be monitored by digital PLC computer.
- Real-time networking.
- Adopt 15-inch human machine interfaces(HMI).





4 Electronic Moving Base Parallelism Checking Function

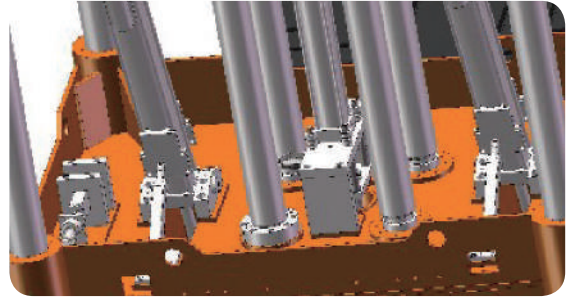
There are four encoders at each corners of the moving base. The PLC screen shows the state of these four encoders working continuously. This means the parallelism between two platens can be monitored continuously. During the mold protection function, when the difference is more than the set tolerance, the machine will stop immediately. In other words, this function protects the mold from damage, when the worker leaves the tool between cavity and core of mold.



5 Electro Permanent Magnetic Table

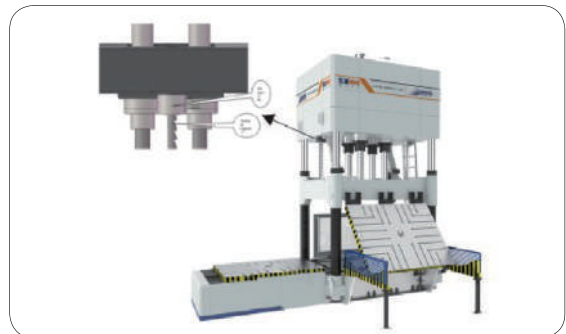
6 Wax Injection Testing Device

Optional wax injection device, it is used for mold wax injection test.



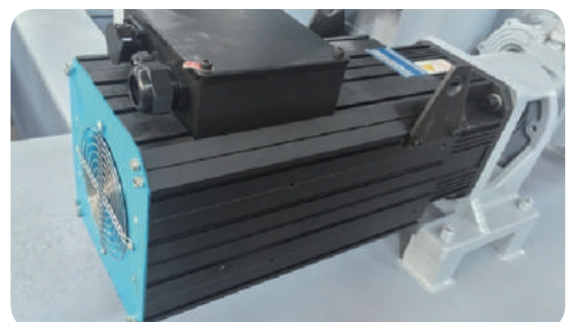
7 Pneumatic-mechanical Locks for Moving Base

Optional pneumatic safety lock ensures the middle base can be locked at any position when it moves up and down.



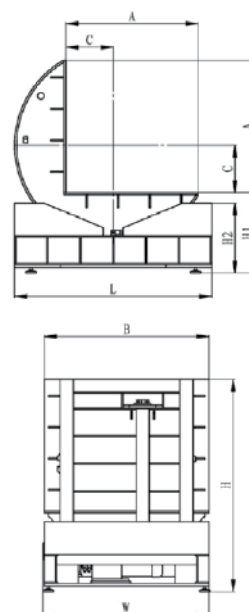
8 Hydraulic Servo System

All SXKH Die spotting presses adopt hydraulic servo system.



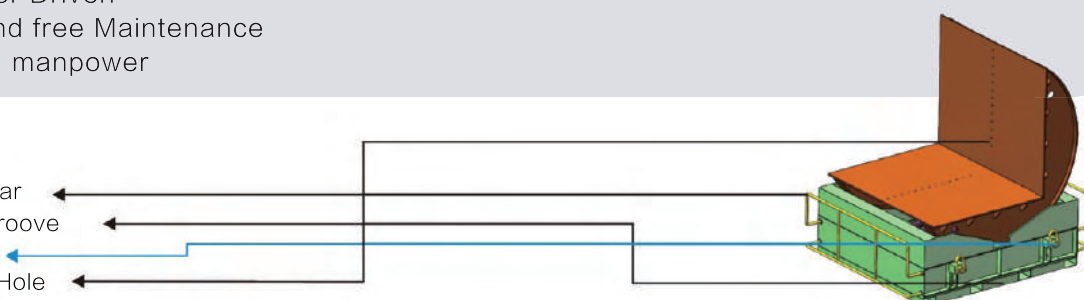


90° Mold Flipper



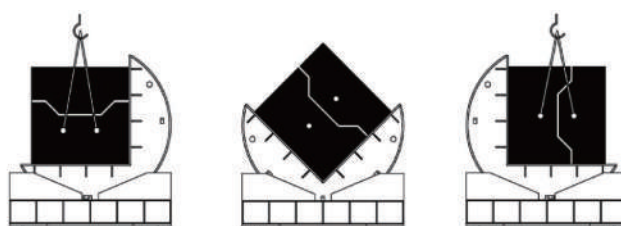
Electrical Motor Driven
Economical and free Maintenance
Save time and manpower

- Optional 1: Yellow Bar
- Optional 2: Forklift Groove
- Optional 3: Hook
- Optional 4: Tapped Hole



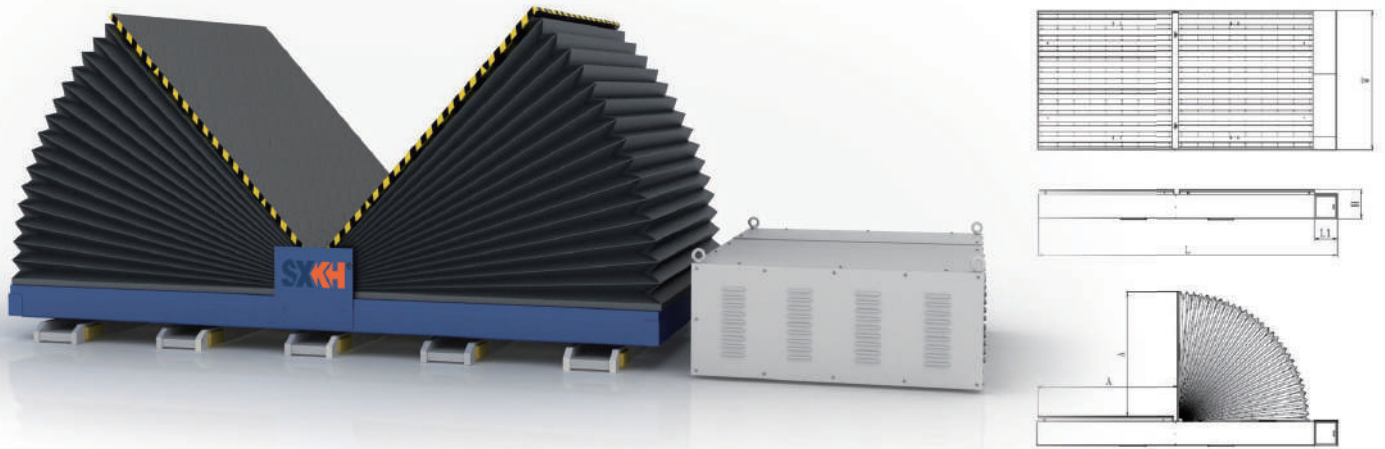
Model	FMG-5T	FMG-10T	FMG-15T	FMG-20T	FMG-30T	FMG-50T
Overturn Capacity (KN)	50	100	150	200	300	500
Table Height (mm)	605	730	730	860	985	985
Table Size AxB (mm)	1100X1250	1300X1400	1500X1650	1600X2000	1800X2200	2010X2500
Motor Power	1.5KW	3KW	4KW	5.5KW	11KW	15KW
Center Size C	410	495	495	610	670	670
Machine Dimension (LxWxH)	1750x1250x1800	1900x1450x2150	1950x1650x2350	2300x2050x2600	2650x2250x2900	2650x2250x3100
Machine Weight (KG)	1600	2500	2800	5200	9000	12000

Workflow





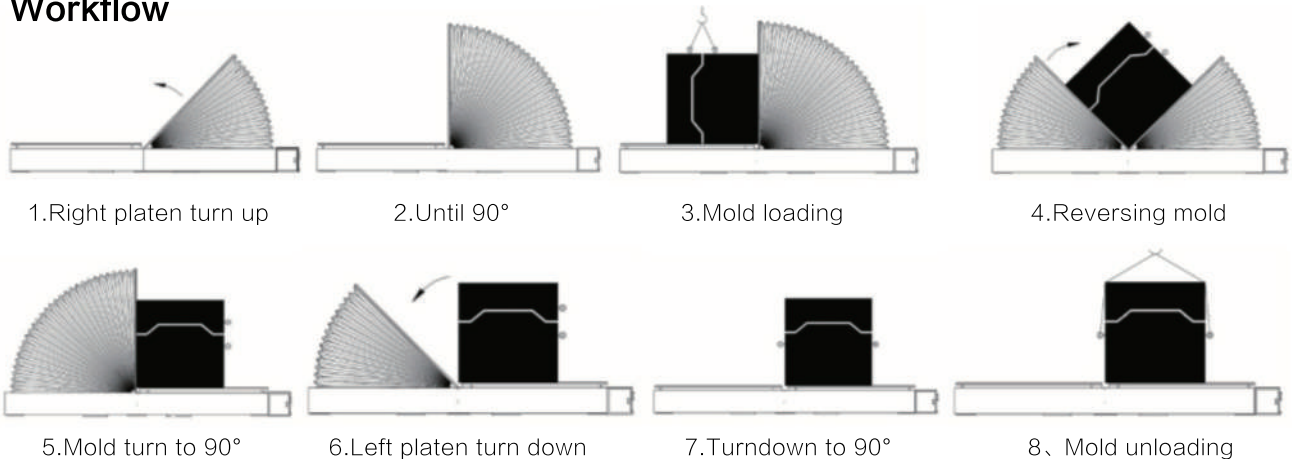
180° Mold Flipper



- Hydraulic cylinder driven, safely tilt the mold by 90 degree.
- Saves manpower and time.
- The tables can rest at 180 degree
- Does not require any dedicated space to keep the machine as the complete Hydraulic system can be accommodated in pit and the mould maintenance can be done while the mould is kept on the table.

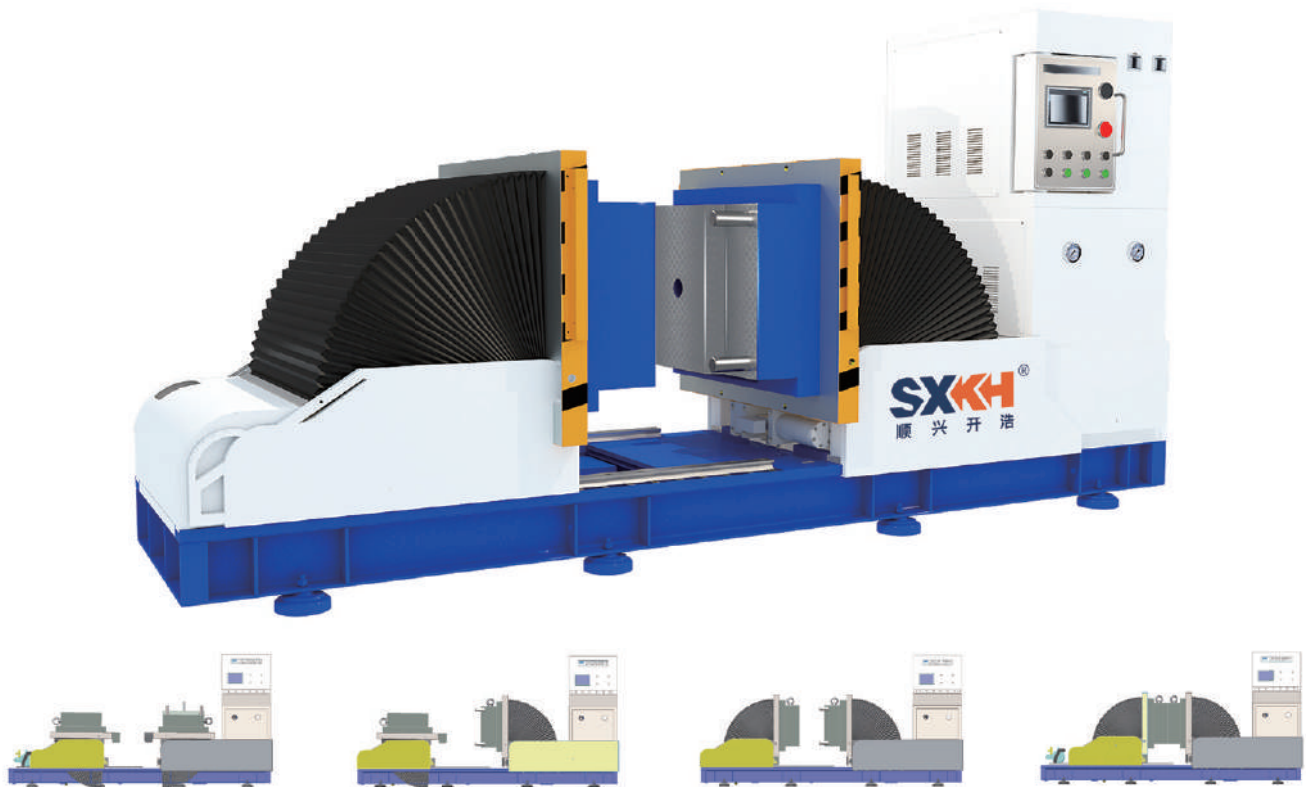
Model	PFM-5T	PFM-10T	PFM-15T	PFM-20T	PFM-30T	PFM-50T
Table Size A*W(mm)	1100*1250	1300*1400	1500*1650	1600*2000	1800*2200	2600*3000
Max. Overturn Capacity (KN)	50	100	150	200	300	500
L(mm)	2800	3100	3600	3800	4200	6000
L1(mm)	400	400	500	500	500	700
H(mm)	350	450	450	530	530	630
Power (kW)	3	4	5.5	11	18	22
Machine Weight (KG)	4000	4500	5000	8000	11000	14000

Workflow





Mold Inspection Station



- SXXH Mold Inspection Station adopts quick die change system in order to improve the efficiency of mold loading and unloading.
- Mold can be tilted by 90 degrees and do mold maintenance without unloading mold.
- Mold hydraulic system testing.
- Mold Ejector testing.
- Mold Water cooling system testing.
- Siemens PLC control system.

Item	Unit	TMG1008	TMG1518	TMG2120
Clamping Force	Kn	55	100	100
Opening Force	Kn	50	60	80
Platen A Ejector Force	Kn	110	110	110
Platen Dimension	mm	1000x800	1500x1800	2100x2000
Overturn Degree	°	0° -90° (Optional)	0° -90° (Optional)	0° -90° (Optional)
Max. Opening Stroke	mm	700	2000	3000
Min. Opening Stroke	mm	120	400	500
Die Open/Close Speed	mm/s	0-40	0-40	0-40
Overturn Speed	° /s	8	8	8
Max. Weight of Mold	Kg	8000	18000	25000
Max. Overturn Capacity	Kn	40	90	130
Machine Weight	Kg	3100	12000	30000
External Dimension (LxWxH)	mm	3400x880x1680	6000x2360x2150	7200x2400x2200



Mold Testing Machine



Application

- During the Die & Mold assembly process
- Pre-delivery
- Mold & Die hydraulic system testing
- Mold & Die ejector pin testing.
- Water cooling system leakage testing

WHY Mold testing machine?

- Improving mold quality
- Indispensable assistant for Mold& Die manufacturer
- Increase productivity
- All the parameters can be set on the Siemens PLC, Such as pressure, timing, speed and flux

Model	Unit	TMG-S
Power	Kw	13.75
Hydraulic Circuits for Core Tests	Set	6+2
Connect Type		3HP/3HS
Pressure of Hydraulic System	Mpa	14
Pressure of Water System	Mpa	5.5
Limited Switches	Set	6
Machine Dimension (LxWxH)	mm	1600x900x1200



Hydraulic system testing



Quick water pressure testing



Servo system

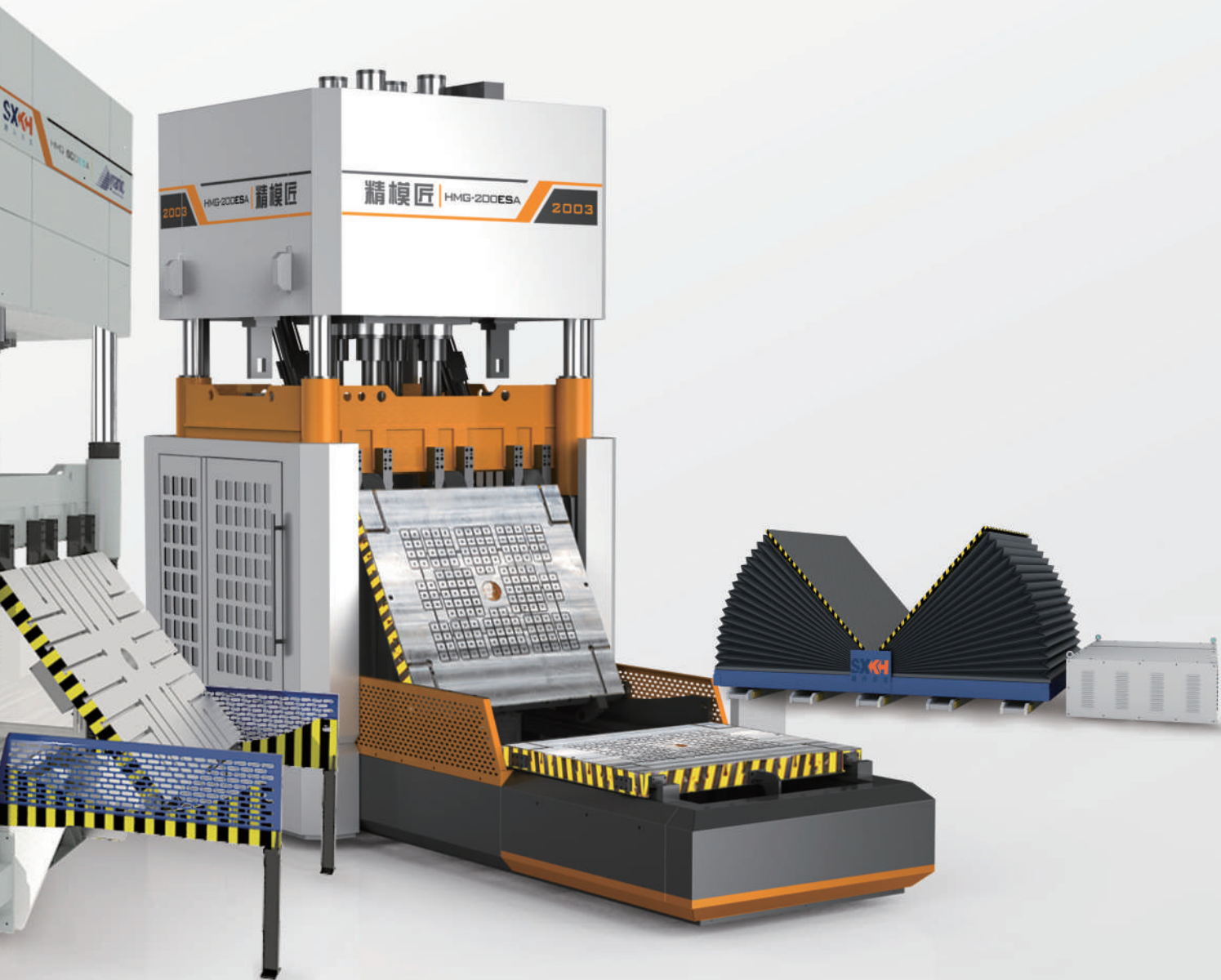


Core signal testing











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