



PAN STONE
EUROPE LIMITED

RUBBER INJECTION MACHINE SERIES

OUR HEADQUARTERS

UK

Slovakia

Taiwan



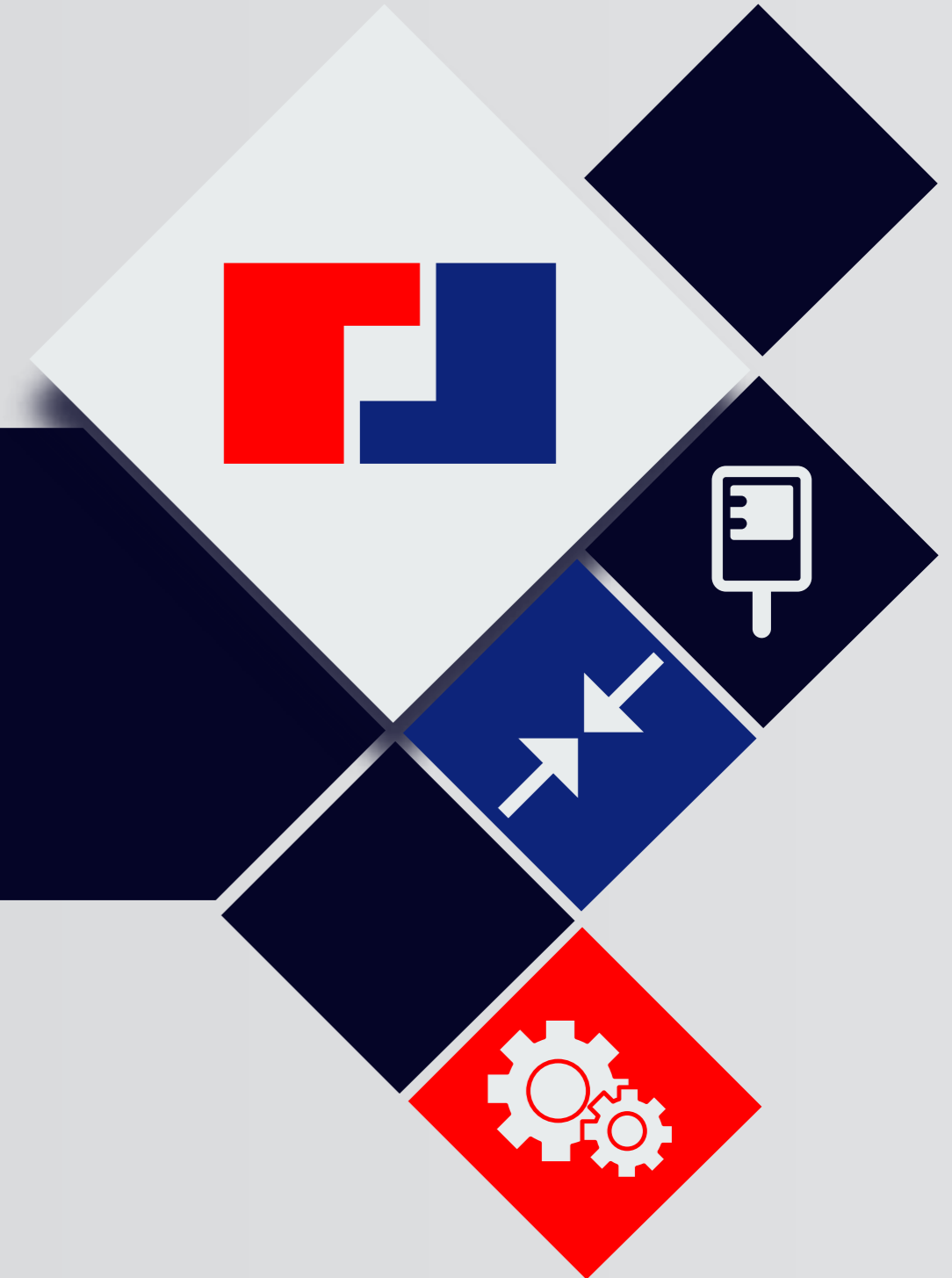
The only name that matters
for injection and compression
moulding machines

www.panstone.eu

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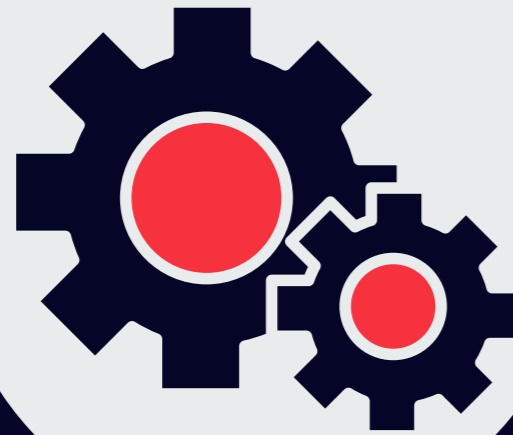
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ABOUT PAN STONE

Pan Stone Hydraulic Industries co Ltd was founded by a dedicated and outstanding team of engineers who all have extensive experience in the manufacture and design of machinery for the rubber moulding industry.

Our goal is to provide an innovative and quality product with zero defects to our customers. We continually update our manufacture techniques and ensure our workforce is skilled and fully trained in order to manufacture a wide range of standard and custom built machinery at an industry competitive price.



Pan Stone are focused on excellence in manufacturing techniques and customer service. We believe our dedication to continuous improvement and innovation will set the benchmark in this industry.

Since 2005 Pan Stone has become a transnational corporation with the addition of our production plant in the Anhui province of China. We supply machinery worldwide and rely on a global team of experienced and skilled sales and service engineers.

Pan Stone Europe is our European branch offering outstanding sales and service support to its customers.

Pan Stone Europe has two technical sales and service centres ensuring our customers are supported and supplied with our products throughout Europe.

Our dedicated and experienced team are able to offer a full design service from mould to machine to ensure our customers receive the most cost effective and innovative solution for their production needs.

RUBBER INJECTION MACHINE SERIES

- ◆ Quality
- ◆ Efficient
- ◆ Innovative design resulting in high productivity and profitability
- ◆ Reliable

Our range of injection machines include:

- ◆ Vertical injection moulding machines
- ◆ Horizontal injection moulding machines
- ◆ C frame injection moulding machines
- ◆ Liquid and paste silicone injection machines



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VERTICAL RUBBER INJECTION MOULDING

Pan Stone Vertical injection machines are built with quality and versatility in the forefront of our design. Allowing our customers to produce a wide range of parts utilising many different mould and compound variants.

Our standard range of machines are supplied with vertical FIFO injection units. This design lends itself to an easy clean system allowing quick compound type and colour changes without excessive material waste or down time.

Our modular design enables the addition of sliding frames, tables and further functions at a later stage if you wish to alter your production requirements. The standard range is available in numerous sizes, as the specification table below illustrates. These machines are exactly the same, as it is purely the size of the machine that differs, not the design.

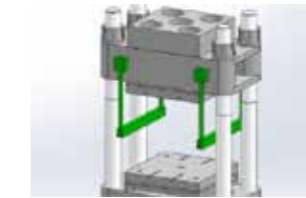
MACHINE SPECIFICATION

Clamping Force (KN)	Injection Volume Standard (CM3)	Opening Stroke (mm)	Opening Daylight (mm)	Heating Plates Standard (W x D)
1000	500/1000cc	350	300-450	405x430
2000	1000/1500cc	450	400-550	550x550
2500	2000/2500cc	450	400-550	650x650
3000	2000/2500cc	450	400-550	650x650
4000	2500/3000cc	450	400-550	700x700
50000	3000/3500cc	450	400-550	850x850
70000	3000/3500cc	500	450-500	1000x1000
10000	4000cc	600	450-600	1200x1500

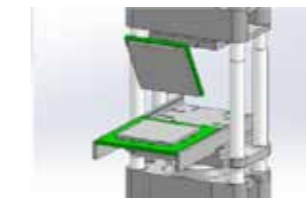


MACHINE OPTIONS

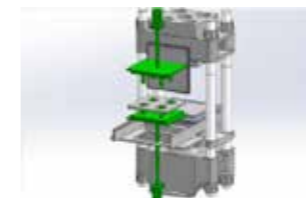
Our vertical machines offer a wide range of options in order to tailor make your machines for specific and individual applications.



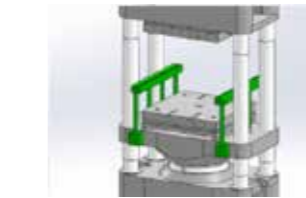
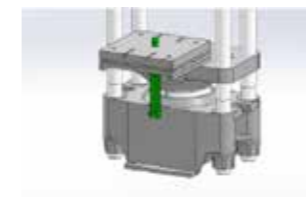
Internal upper ejector (Lifter)



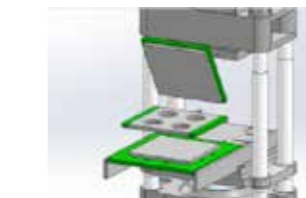
2RT



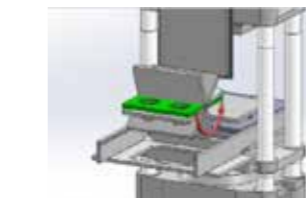
Outside top and bottom ejectors



Internal bottom ejector (Lifter)



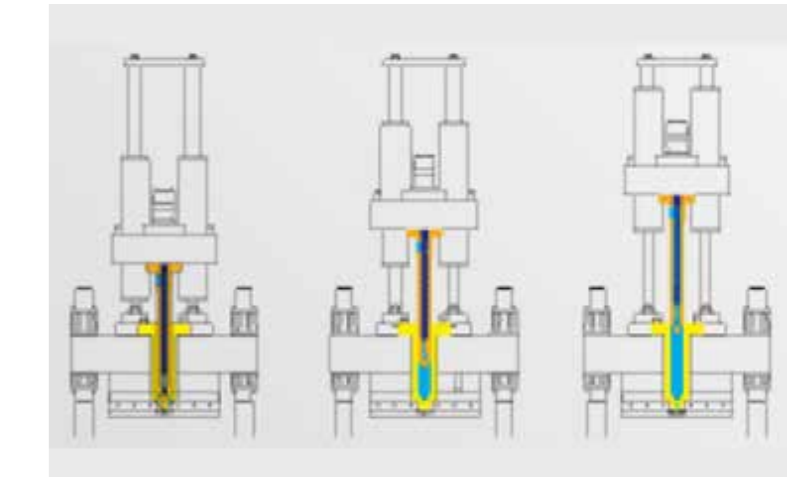
3RT



Middle mould turn 180 degree

Bottom mould is allowed to shuttle out 70% for outside bottom ejector lifting up the final parts

F.I.F.O INJECTION SYSTEM




RUBBER FEEDING START

RUBBER FEEDING

RUBBER FEEDING FINISH

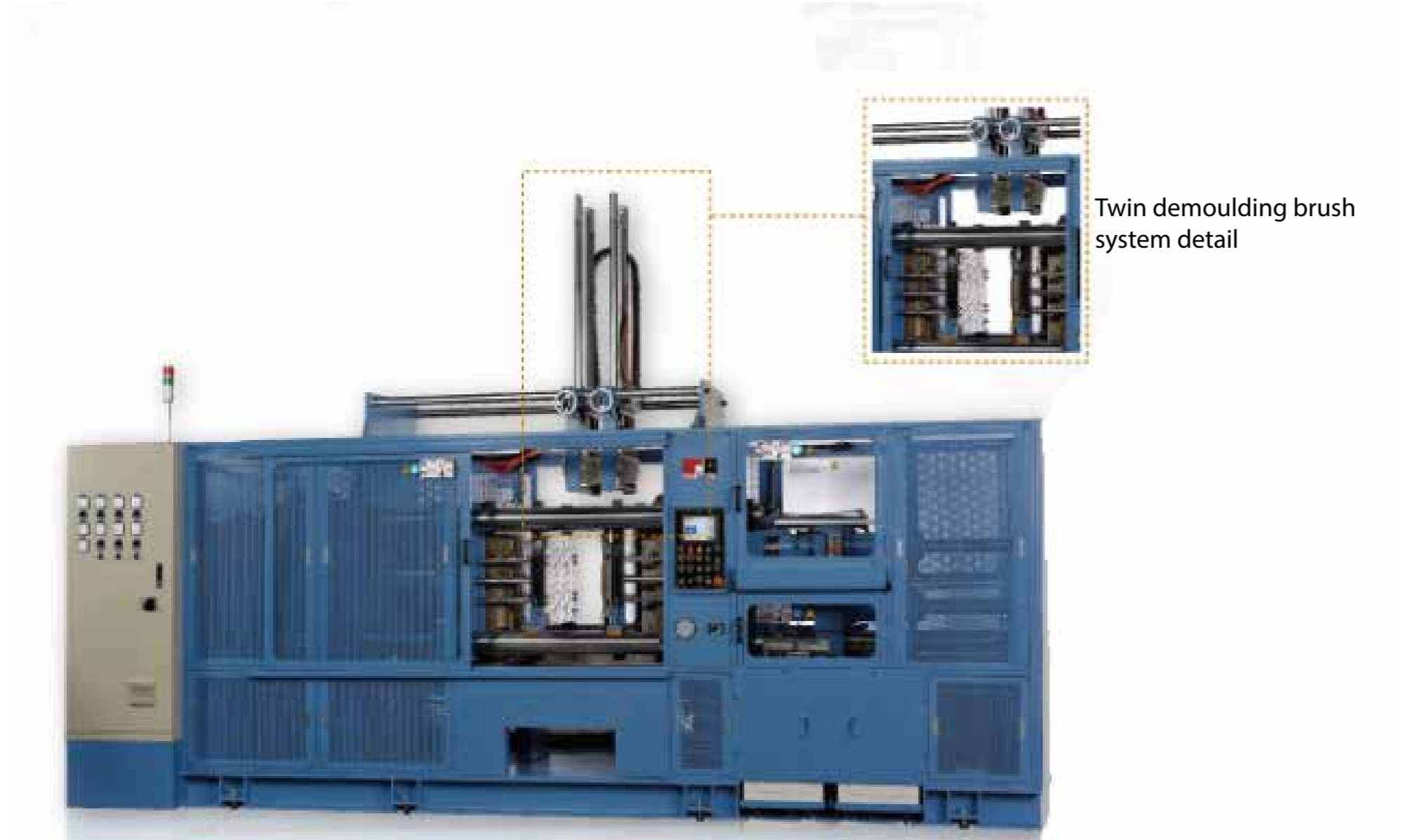
 Screw Housing

 Rubber

 Screw

 Barrel

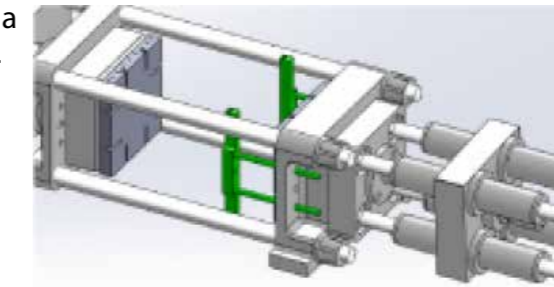
HORIZONTAL INJECTION MOULDING MACHINES



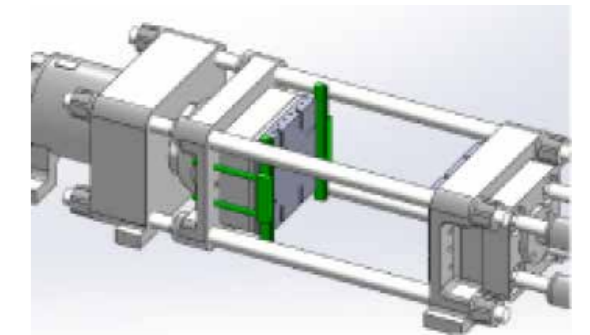
Twin demoulding brush system detail

MACHINE OPTIONS

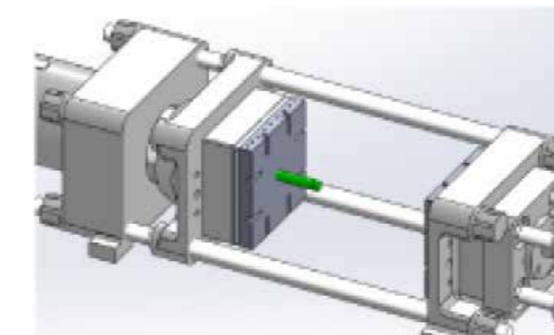
Our horizontal machines offer a wide range of options in order to tailor make your machines for specific and individual applications.



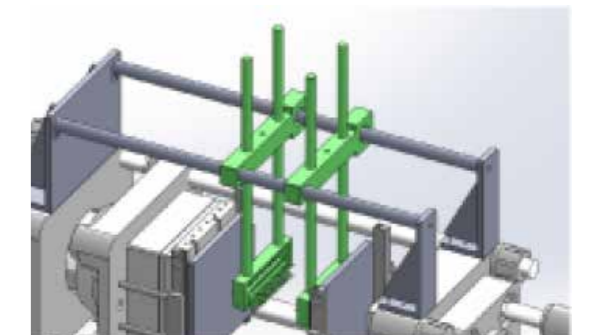
Fixed face with hydraulic ejector (lifter)



Mobile face with hydraulic ejector (lifter)



Mobile face with central ejector

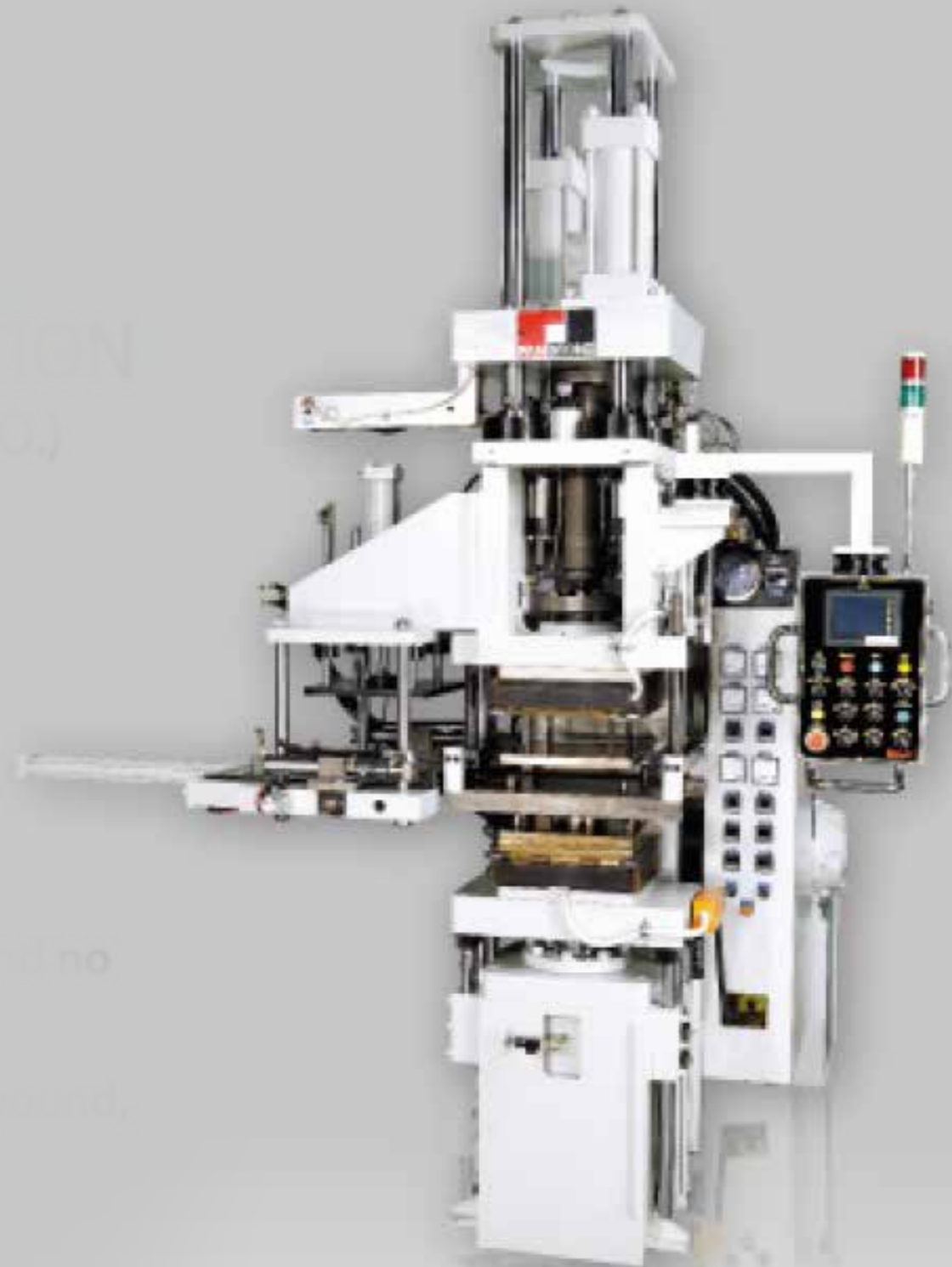


With brush system

MACHINE SPECIFICATION

Clamping Force (ton)	Injection Volume (c.c.)	Heating Platen Size (mm)	Injection Pressure (kg/cm ²)	Injection Temp. Control (set)	Motor	Daylight (mm)	Stroke of Main Ram (mm)	Screw Diameter (mm)	Barrel Diameter (mm)	Screw Length/ Diameter: L/D
50	100/160	300x450	1900	2	10HPx6P	450	350	∅ 35	∅ 65	15:1
80	160/200	300x450	1900	2	10HPx6P	450	350	∅ 35	∅ 65	15:1
100	200/400	405x430	1900	2	15HPx6P	450	350	∅ 35	∅ 65	15:1
200	400/600	500x510	1900	2	20HPx6P	450	450	∅ 35	∅ 65	15:1
250	600/1000	600x650	1900	2	20HPx6P	450	450	∅ 40	∅ 80	15:1
350	1000/1500	650x700	1900	2	25HPx6P	450	450	∅ 40	∅ 80	15:1
400	1500/2000	710x900	1900	2	25HPx6P	450	580	∅ 40	∅ 80	15:1

C FRAME RUBBER INJECTION MOULDING



APPLICATION

Corner jointing for automotive door strip and various rubber parts

FEATURE

Precise shot volume
Fast and easy for mould change
Easy operation



MACHINE SPECIFICATION

Clamping Force (ton)	Injection Volume (c.c.)	Heating Platen Size (mm)	Injection Pressure (kg/cm ²)	Injection Temp. Control (set)	Motor	Daylight (mm)	Stroke of Main Ram (mm)	Min. Mold Height (mm)	Screw Diameter (mm)	Barrel Diameter (mm)	Screw Length/ Diameter: L/D
F.I.F.O	15	430x250	2100	1	5HPx4P	350	300	50	∅ 30	∅ 22.5	12:1
	30	400x300	2100	1	7.5HPx4P	350	300	50	∅ 30	∅ 30	12:1
	50	450x300	2100	1	10HPx6P	350	300	50	∅ 30	∅ 40	12:1
	80	450x350	2100	1	10HPx6P	350	300	50	∅ 30	∅ 40	12:1
F.I.L.O	15	430x250	1100	1	5HPx4P	350	300	50	∅ 30	∅ 22.5	12:1
	30	400x300	1100	1	5HPx4P	350	300	50	∅ 30	∅ 30	12:1
	50	450x300	1100	1	7.5HPx4P	350	300	50	∅ 30	∅ 40	12:1

LIQUID SILICONE MACHINES VERTICAL AND HORIZONTAL

Typical applications for liquid silicone rubber are products that require high precision such as electric connectors and seals in the pharmaceutical industry.



MACHINE SPECIFICATION

Clamping Force (ton)	Injection Volume (c.c.)	Heating Platen Size (mm)	Injection Pressure (kg/cm ²)	Motor	Daylight (mm)	Stroke of Main Ram (mm)	Screw Diameter (mm)
100/200	200	400x400	700	11kw	500	400	∅ 40
200/250	400	500x600 600x600	700	11kw	500	400	∅ 50
250/350	800	700x700	700	15kw	500	400	∅ 60



VERTICAL INJECTION MOULDING MACHINE WITH SILICONE STUFFER

The silicone stuffer can be added to any of our range of vertical injection machines in our range, with a variety of stuffer volumes upon request.



FEATURE

Easy colour changes resulting
in less compound waste.

