

# EMPOWERING MODERN MANUFACTURING

## LINEAR BELLING MACHINE



## PRECISELY **PERFECT**

Founded in 1999, Masters Preci Tools is a trusted source for Socketing Solutions in the PVC Industry. As manufacturers, suppliers, and exporters, MPT's customer base extends beyond the shores with a notable presence in the African and Gulf Countries. For PVC Pipes companies who value precision, durability, and flawless functioning, MPT is a name of first recall.

## POISED FOR **GROWTH**

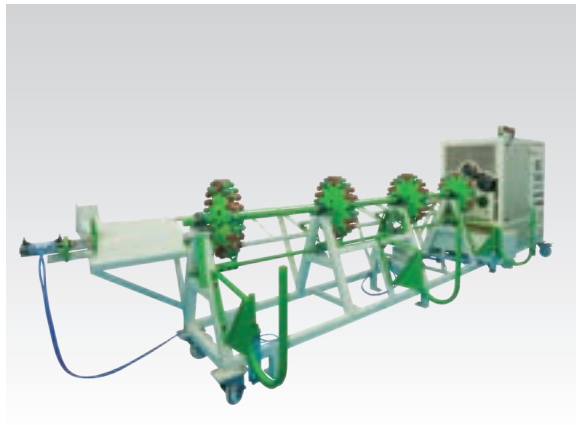
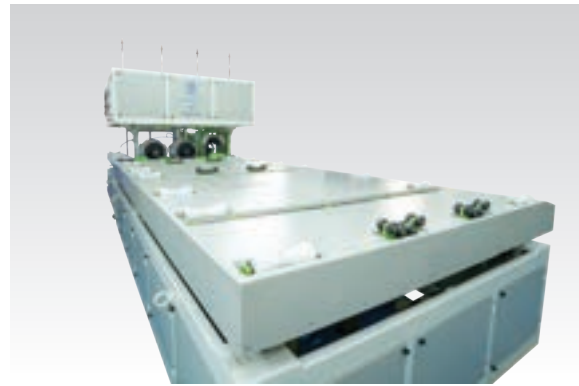
The PVC Pipes Industry has been growing at a phenomenal rate, replacing the conventional Pipes market. Being superior in terms of longevity, resistance to weather and exposure, and above all being light-weight and easy to install, PVC Pipes are highly preferred across sectors. This in turn has generated a demand for Socketing Solutions, ensuring MPT's growth in the long-run. Renowned PVC Pipes brands trust MPT for its high quality machinery which prove to be highly cost-effective with minimum maintenance and advanced operations.

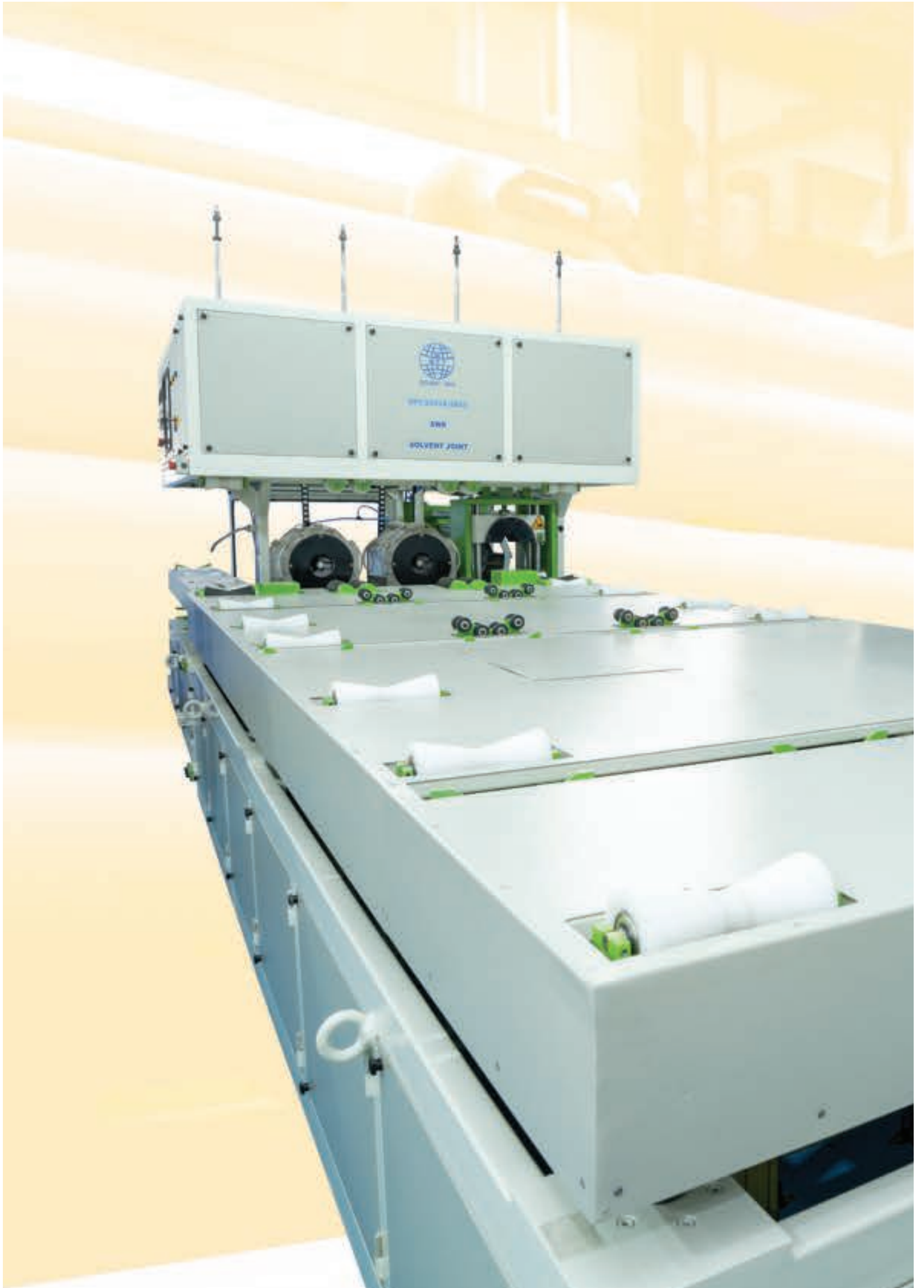
# PRODUCT **PORTFOLIO**

MPT's product portfolio includes both Offline and Online Socketing Machines. MPT also provides customized machinery to meet the diverse needs of the industry. MPT Socketing Machines, Special Purpose Machines, and Press Tools are known for their perfect Engineering and strong back-end service. What's more, MPT has complete control on the warehousing and packaging fronts, ensuring safe transit and delivery.

## FLAGSHIP **PRODUCTS:**

- Linear Belling Machine
- Rotary Belling Machine
- Bending Machine
- Short Coupler Machine
- RRJ Coupler Machine
- Dual Side SWR Machine

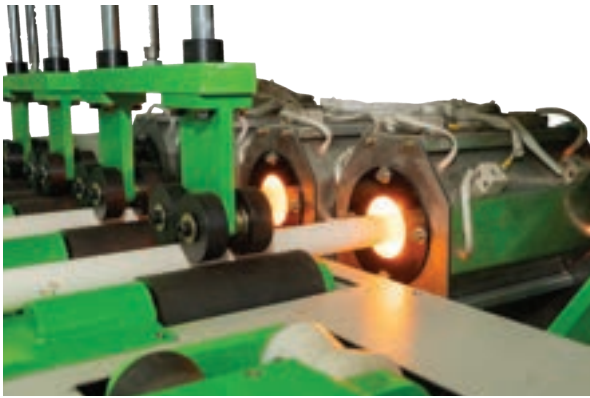






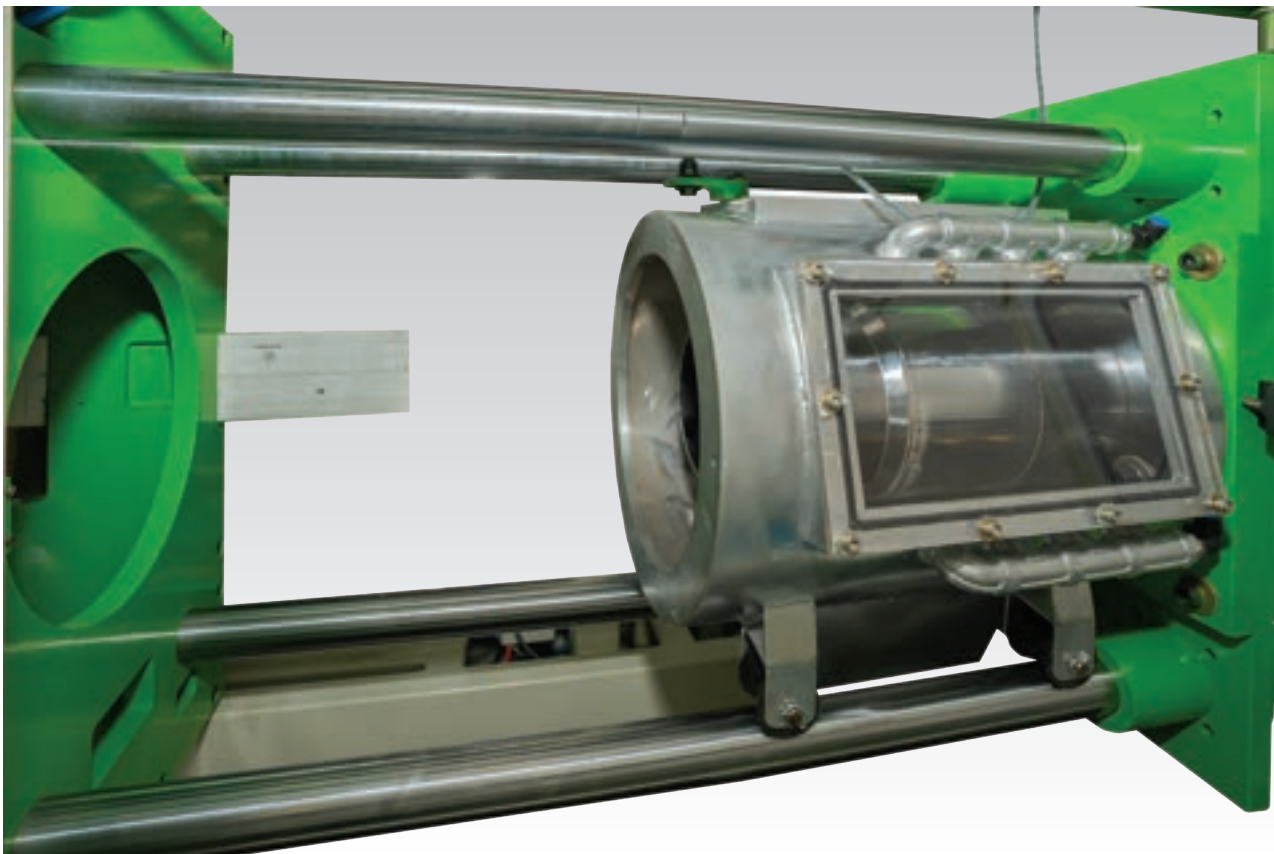
# A STRONG PRODUCT LINE OF **LINEAR SOCKETING MACHINES**

MPT Linear Socketing Machines are engineered to handle a wide range of pipe diameters from 315 mm to 600 mm, ensuring compatibility with ESR, SWR, and Plain Solvent sockets.



## **KEY HIGHLIGHTS:**

- Up to 8 Heating Stations
- Up to 8 Socketing Stations
- Compatible with Single/Multi-channel Extruder lines with outputs up to 900 kg
- Output Range: 90 – 1200 pipes per hour
- Customizable ranges with options to add conveyors and chaffing units

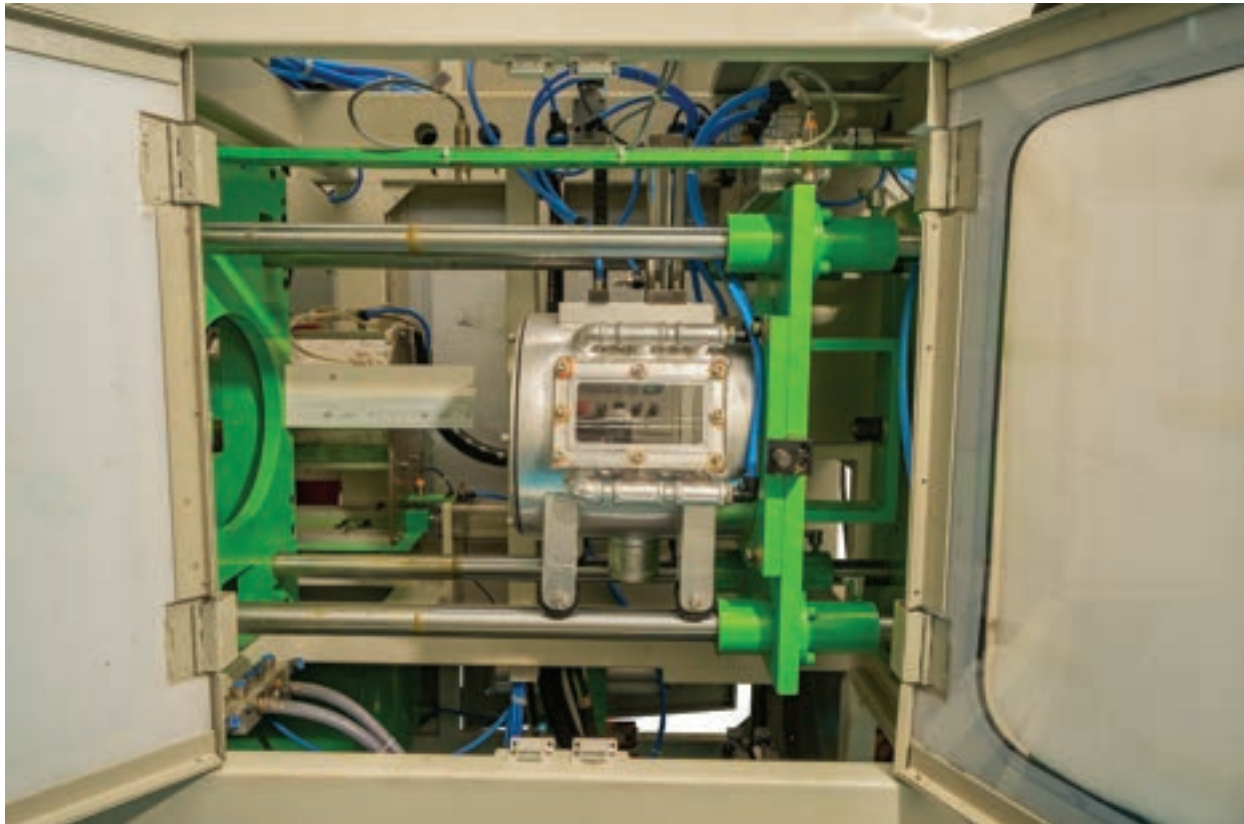


## **SMART FEATURES, STURDY BUILT**

Linear Socketing Machines are equipped with cutting-edge electronics to ensure precision and ease of operation. The user-friendly navigation panel allows for intuitive control, while the easy calibration system ensures quick set-up and adjustments. With precision readings and intelligent sensors, our machines monitor alignments, temperature controllers, cylinders, and motors in real time to maintain optimal performance.

## INTEGRATED HEATING AND COOLING PROCESSES

Linear Socketing Machines feature Short Wave Infrared (IR/SW) chambers, enabling rapid and precise heat transfer for consistent and high-quality socketing. This advanced heating system ensures uniform temperature distribution across the pipe surface, reducing cycle times and improving energy efficiency. Complementing the heating process, these are equipped with cooling jackets and inbuilt air-cooling systems for efficient temperature regulation. This rapidly stabilizes the pipes post-heating, preserving their structural integrity and ensuring perfect socket formation. The combination of advanced heating and cooling enhances production speed, minimizes material stress, and guarantees superior socket quality.



## THE MPT **ADVANTAGE:**

### Universal Compatibility

The machines work effortlessly with extruders from any brand, preferred by manufacturers seeking flexibility and performance.

### Highest Extruder Output

Engineered to match the highest output of modern extruders, they ensure that your production line operates at maximum efficiency.

### Height-Adjustable Automatic Beds

The automatic height-adjustable beds make switching between pipe sizes quick and hassle-free, enhancing productivity and precision.

### Auto Shutdown

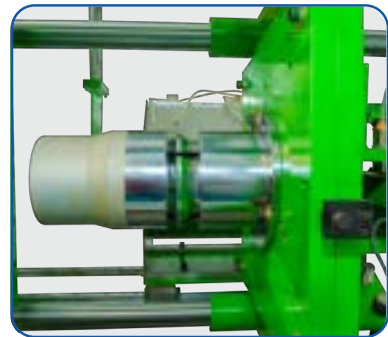
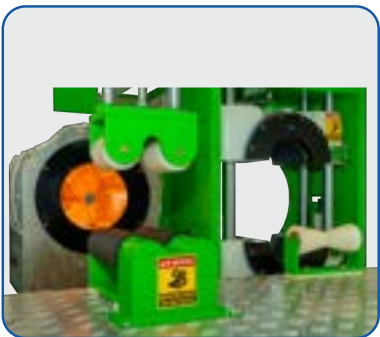
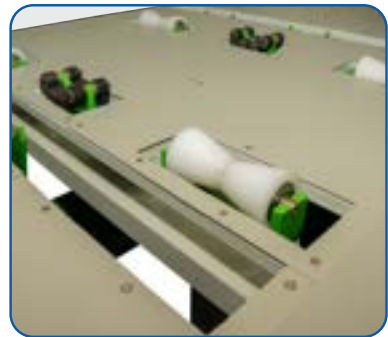
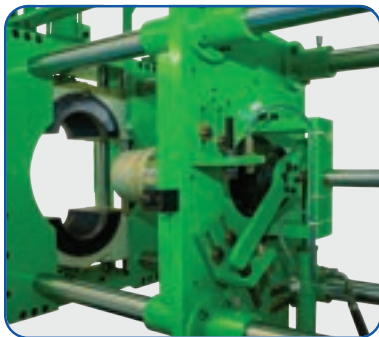
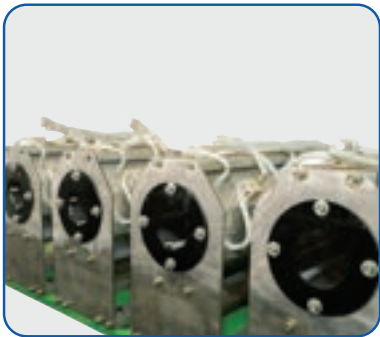
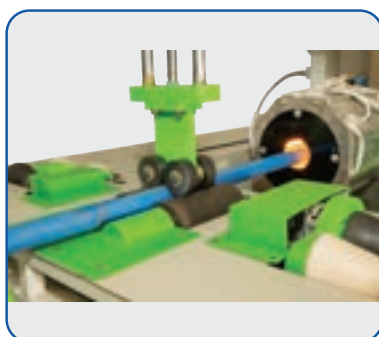
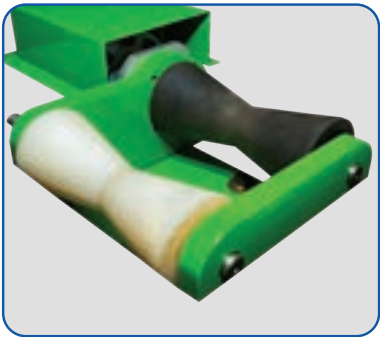
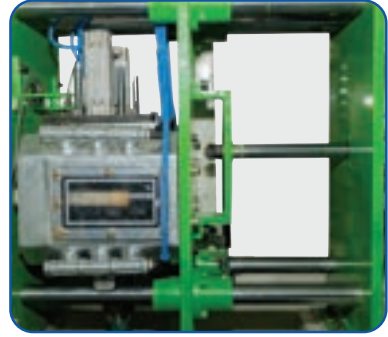
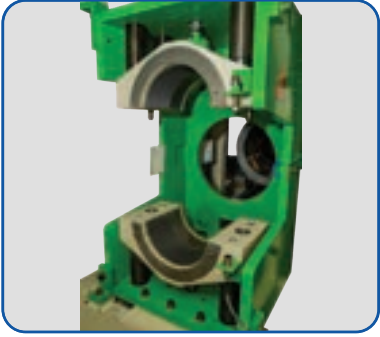
This is an advanced safety feature which activates during anomalies, protecting both operators and equipment.

### Remote Diagnostics Capabilities

This minimizes downtime, enabling quick troubleshooting and is indispensable where continuous operations are a norm.







	From Range (mm)	To Range (mm)	Pipe Length	Mechanism	Entry	Heating
1	20	32	3 metres	Pneumatic/Hydraulic	2/4	8
2	25	75	6 metres	Pneumatic/Hydraulic	1	2
3	35	75	3 metres	Pneumatic/Hydraulic	1	4
4	35	75	6 metres	Pneumatic/Hydraulic	1	4
5	32	110	3 metres, 6 metres	EVP (Pneumatic/VFD)	1	1
6	32	110	3 metres, 6 metres	Pneumatic/Hydraulic	2	2
7	40	110	3 metres, 6 metres	Servo/Hydraulic	1	1
8	40	110	3 metres, 6 metres	Servo/Hydraulic	1	2
9	40	110	3 metres, 6 metres	Servo/Hydraulic	2	1
10	40	110	3 metres, 6 metres	Servo/Hydraulic	2	2
11	63	110	3 metres, 6 metres	EVP (Pneumatic/VFD)	1	1
12	63	110	3 metres, 6 metres	Servo/Hydraulic	1	1
13	63	110	3 metres, 6 metres	Servo/Hydraulic	2	1
14	63	110	3 metres, 6 metres	Servo/Hydraulic	2	2
15	63	110	3 metres, 6 metres	Servo/Hydraulic	2	2
16	63	160	3 metres, 6 metres	Servo/Hydraulic	1	1
17	63	160	3 metres, 6 metres	Servo/Hydraulic	2	1
18	63	160	3 metres, 6 metres	Servo/Hydraulic	1	2
19	63	160	3 metres, 6 metres	Servo/Hydraulic	2	2
20	63	200	3 metres, 6 metres	EVP (Pneumatic/VFD)	1	1
21	63	200	3 metres, 6 metres	Servo/Hydraulic	1	1
22	63	200	3 metres, 6 metres	Servo/Hydraulic	1	2
23	63	200	3 metres, 6 metres	Servo/Hydraulic	2	1
24	63	200	3 metres, 6 metres	Servo/Hydraulic	2	2
25	63	200	3 metres, 6 metres	Servo/Hydraulic	1	1
26	63	250	3 metres, 6 metres	Servo/Hydraulic	1	2
27	63	250	3 metres, 6 metres	Servo/Hydraulic	2	1
28	110	250	3 metres, 6 metres	Servo/Hydraulic	1	1
29	110	250	3 metres, 6 metres	Servo/Hydraulic	2	1
30	110	250	3 metres, 6 metres	Servo/Hydraulic	2	2
31	110	315	3 metres, 6 metres	Servo/Hydraulic	1	1
32	180	400	3 metres, 6 metres	Servo/Hydraulic	1	1
33	180	500	3 metres, 6 metres	Servo/Hydraulic	1	1
34	75	110	3 metres, 6 metres	Servo/Hydraulic (Dual side SWR)	2	2

Socketing	Maximum Pipes/hour	Connecting Load	Output	Machine Class
8	1200	4.7kw	High Capacity	Small Range
2	380	9 kw	High Capacity	Small Range
2	450	11.3kw	High Capacity	Small Range
2	450	11.3kw	High Capacity	Small Range
1	170	7kw	Medium Capacity	Small Range
2	220	15.6kw	Medium Capacity	Small Range
1	220	14.2kw	Medium Capacity	Small Range
1	210	10kw	Medium Capacity	Small Range
1	210	10kw	Medium Capacity	Small Range
1	210	11kw	Medium Capacity	Small Range
1	150	7.5kw	Medium Capacity	Mid Range
1	150	11kw	Medium Capacity	Mid Range
1	150	11kw	Medium Capacity	Mid Range
1	160	11kw	Medium Capacity	Mid Range
2	350	18.5kw	High Capacity	Mid Range
1	160	11 kw	Medium Capacity	Mid Range
1	160	11 kw	Medium Capacity	Mid Range
1	190	15kw	Medium Capacity	Mid Range
1	180	15kw	Medium Capacity	Mid Range
1	90	7.5kw	Low Capacity	Mid Range
1	160	11kw	Medium Capacity	Mid Range
1	175	15kw	Medium Capacity	Mid Range
1	160	11kw	Medium Capacity	Mid Range
1	180	15kw	Medium Capacity	Mid Range
1	140	11kw	Medium Capacity	Mid Range
1	130	15kw	Medium Capacity	Mid Range
1	130	11Kw	Medium Capacity	Mid Range
1	120	11Kw	Medium Capacity	High Range
1	130	11Kw	Medium Capacity	High Range
1	150	15kw	Medium Capacity	High Range
1	150	18.5kw	Medium Capacity	High Range
1	70	20kw	Low Capacity	High Range
1	14	20kw	Low Capacity	High Range
2	220	13.7kw	Medium Capacity	Mid Range

## OUR SERVICES

### Advanced Remote Diagnostics

Quick identification and solving of issues without on-site visits, ensuring minimal downtime.

### Real-Time Remote Support

Troubleshoot and resolve issues using cutting-edge diagnostic tools, saving time and money.

### Seamless Installation & Commissioning

Rapid setup to get your machinery started without delays.

### Training Programs

Equipping your team to operate and maintain machinery effectively.

### Preventive Maintenance

Scheduled check-ups to maintain peak performance and prevent breakdowns.

### On-Site Repairs & Spare Parts Supply

Reliable access to parts and technicians for repairs when needed.

## KEY CUSTOMER LIST:

MPT is trusted by 150+ esteemed clients across industries. Delivering excellence and precision all along the way!



ISO 9001:2015

World Class  
Socketing Solutions

Plot No. 5-45/10/31, Dulapally Village,  
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