

## Multi-head (Carousel)

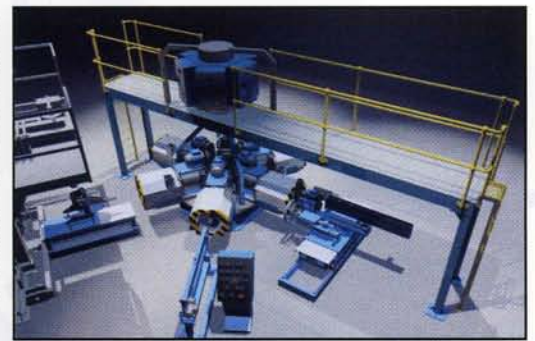
These machines are designed and manufactured to meet the requirements of medium and large OEM producers of cylinder liner castings. They can produce single liners or multiple lengths depending on size and type.



### Multifunction

The machines are fully automated and can employ either wet or dry coating methods. One of the benefits of the multi-head is consistent production, the process variables are monitored and controlled at the critical points. These include pouring temperature and die temperature. The latest control and instrumentation technology is incorporated into the equipment.

High profile wet and diesel liners are usually produced in single pieces. Smaller automotive low profile, wet or "cast in" block, these liners can be cast in lengths of four depending on the size. The multi-head machine offers a highly versatile alternative to tube type machine at low cost. Several versions are available to suit the production requirements and size of the castings.



### Simulated Layout

Production rates are dependant on the wall thickness of the casting. Typically a six head unit can consistently cycle at 45 seconds producing four cylinder liners per casting, giving an hourly production rate of 320 liners.



### Machine on test prior to despatch

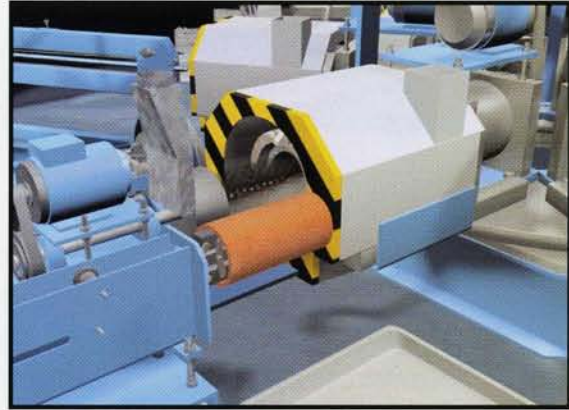
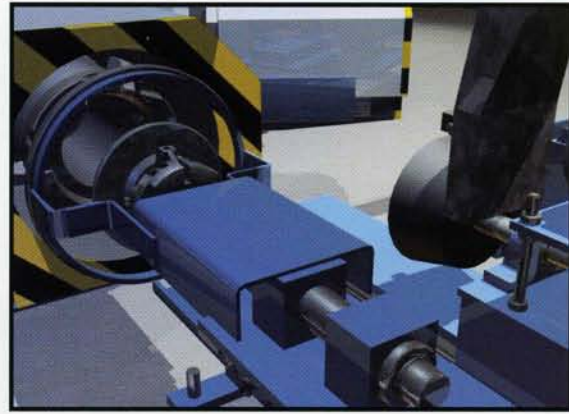
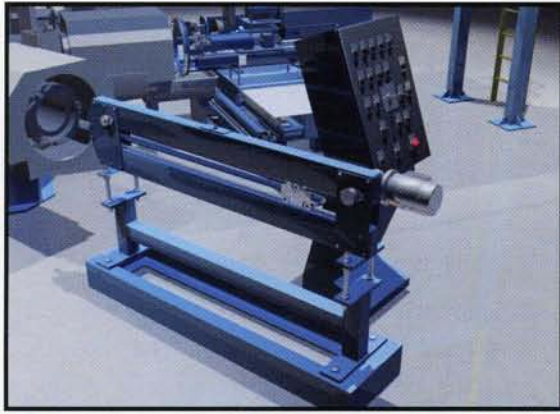
Six, eight, ten or twelve head models are available with various options, subject to customer requirements. These machines can produce thin wall liners at a rate of one every 33 seconds. This simple to operate but robust design provides greater reliability without undue sophistication.

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### Main Features

- Moderate capital cost
- PLC controlled with HM interface
- Modern hydraulic system
- Simple to maintain
- Suitable for high production
- Easy to install

Carousel	Typical Casting size mm			Typical Casting Weights Kgs	Approx. Cycle Times subject to size	Nominal Rating KW
	Min.	Max.	Length			
6 Head Compact	60	210	600	5-25	45 seconds	50
6 Head HD	100	350	700	20-75	50 seconds	60
8 Head Compact	60	210	600	5-75	33 seconds	60
8 Head HD	100	350	700	20-75	45 seconds	70
10 Head	Details on Application					
12 Head	Details on Application					