

LOTUS



IMPORTED MACHINES WITH CE CERTIFICATION

The Lotus series represents the entry-level solution in thread manufacturing. It is regarded as a standard machine for both infeed (plunge) rolling and through-feed rolling applications. Offering an excellent price-performance ratio, the Lotus series stands out for its user-friendly operation. The clear and intuitive arrangement of key controls provides optimal support for the operator.

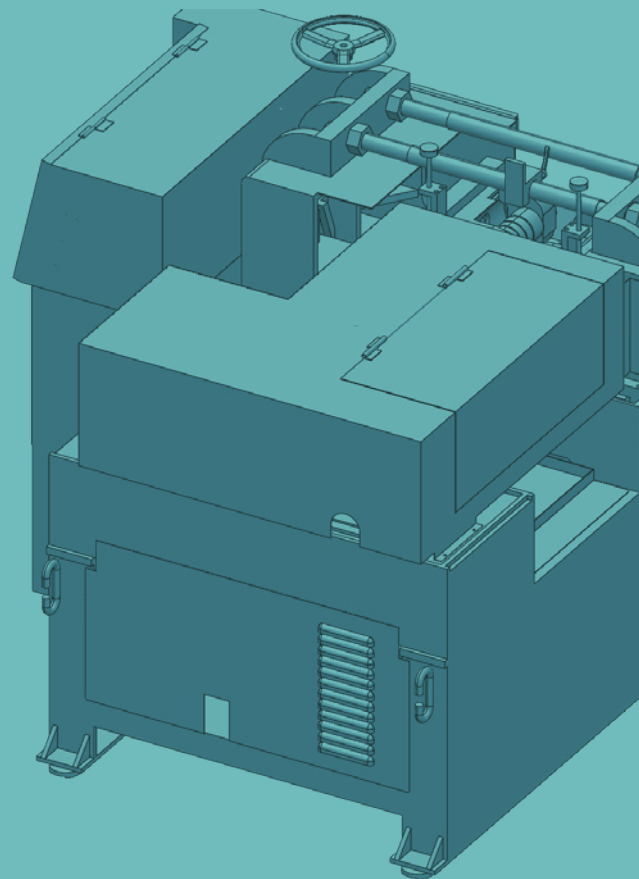
The roll spindles are driven via cardan shafts and a coupling system connected to a precision gearbox. The slide system features two selectable feed speeds — rapid traverse and working feed — easily adjustable via a selector switch. Robust slide guideways and a durable bearing system ensure extended machine service life while enhancing rolling quality and process stability.

All machine adjustments are made from the front side in combination with our **PSS tooling system**. PSS tools are self-guiding and significantly reduce setup time. The Lotus series is designed for continuous three-shift operation. Compliance with CE standards is documented through a CE Declaration of Conformity, with additional safety options available.

The integrated hydraulic system allows infinitely variable adjustment of the rolling force, enabling optimal parameter settings for each specific product.

From frame size 30 upwards, we offer a support bearing carriage system that greatly simplifies roll changes.

The Lotus series is available in five machine sizes, ranging **from 100 kN to 800 kN** rolling force capacity. Automation solutions are also available — from bin-picking and automated feeding to orderly stacking in containers. We will be pleased to develop a tailored solution to meet your production requirements.



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Lotus 10

Rolling force, stepless	Max. 100 kN
Tool diameter	Max. 130 mm
Tool width	Max. 70 mm
Roller spindle diameter	54 mm
Roller spindle speed	5 - 60 rpm, stepless
Rolling time	0,1 - stepless
Workpiece diameter	5 - 60 mm
Connecting load	Approx. 5,6 kW
Net weight	Approx. 1,300 kg

Lotus 18

Rolling force, stepless	Max. 180 kN
Tool diameter	Max. 180 mm
Tool width	Max. 150 mm
Roller spindle diameter	69,85 / 80 mm
Roller spindle speed	5 - 60 rpm, stepless
Rolling time	0,1 - stepless
Workpiece diameter	5 - 60 mm
Connecting load	Approx. 7,5 kW
Net weight	Approx. 2,200 kg

Lotus 30

Rolling force, stepless	Max. 300 kN
Tool diameter	Max. 200 mm
Tool width	Max. 150 mm
Roller spindle diameter	80 / 100 mm
Roller spindle speed	5 - 60 rpm, stepless
Rolling time	0,1 - stepless
Workpiece diameter	5 - 70 mm
Connecting load	Approx. 11,3 kW
Net weight	Approx. 3,300 kg

Lotus 50

Rolling force, stepless	Max. 500 kN
Tool diameter	Max. 240 mm
Tool width	Max. 300 mm
Roller spindle diameter	80 / 100 mm
Roller spindle speed	5 - 60 rpm, stepless
Rolling time	0,1 - stepless
Workpiece diameter	10 - 100 mm
Connecting load	Approx. 15 kW
Net weight	Approx. 8,600 kg

