

STAHLWERK

PREMIUM LINE

MERKUR 225R

Dependable Premium Lathe with quick-action servo-turret

CNC Lathe for high
cost-effectiveness

- » Fanuc Oi TD CNC
- » Powerful spindle with 4000 rpm
- » Linear guide and rapid feed up to 36 m/min



CNC PREMIUM TECHNOLOGY - QUALITY CUSTOMIZED FOR YOUR NEEDS

- » STAHLWERK PREMIUM LINE includes 6 series for a perfectly rounded portfolio of Premium CNC machines to fit every need and level: from water-jet cutting systems and compact, universal, or heavy-duty lathes and turning centers to powerful 5-axis machining centers
- » STAHLWERK PREMIUM LINE ensures superior quality and machine reliability and impresses with sophisticated design and lasting value

CUSTOM CONFIGURATIONS

- » Extensive options for each machine allow for customized machine solutions, which can be adapted to your individual requirements by our project teams
- » Carefully selected standard equipment and components from certified and renowned suppliers provide a perfect base for your production

PERFECTLY INTEGRATED AUTOMATION SOLUTIONS

- » With automation solutions for workpiece and pallet handling, every machine can be configured for semi-automatic or fully automated operation
- » We offer quick ROI through increased efficiency

SERVICE TEAMS AT YOUR SIDE

- » STAHLWERK PREMIUM LINE project teams will support you during the whole process: from the planning stage to implementation and beyond
- » Regardless of the type of contact - by phone, in person on site or express shipments of original service parts - with STAHLWERK PREMIUM LINE you always will benefit from our service technicians' expertise and experience
- » Start-up operations with individual training provided by our service technicians are standard for STAHLWERK PREMIUM LINE
- » Please contact us for more information on service contracts

SPECIFICATIONS

Working area		Mercur 225R
Swing-Ø over bed (max.)	mm	550
Swing-Ø over cross slide (max.)	mm	360
Turning diameter (max.)	mm	350
Turning length (max.)	mm	410
Travels		
Travel X-axis	mm	210
Travel Z-axis	mm	430
Angle of slant bed	°	45
Headstock		
Bar capacity (incl. chuck)	mm	64
Spindle speed	rpm	4.000
Spindle mount		A2-6
Spindle bore	mm	76
Spindle Torque (max.)	Nm	353
Spindle drive method		Riemenantrieb / Belt
Lathe chuck diameter	mm	203
Rapid feed		
Rapid feed X-axis	mm/min	36.000
Rapid feed Z-axis	mm/min	36.000
Feed		
Feed force X-axis (max.)	kN	19
Feed force Z-axis (max.)	kN	19
Tool head		
Tool change type		Servo
Number of tool stations	Pieces	12
Tool shank height	mm	25
Boring bar mount diameter	mm	40
Turret indexing time	s	0,2
Tailstock		
Tailstock quill diameter	mm	65
Tailstock quill stroke	mm	80
Tailstock quill taper		MK 4 / MT 4
Accuracies		
Repeatability X-axis	mm	± 0,003
Repeatability Z-axis	mm	± 0,005
Drive capacity		
Motor rating main drive	kW	15
Main drive, continuous load	kW	11
Motor rating X-axis	kW	3
Motor rating Z-axis	kW	3
Total power consumption	kVA	27
Measures and weights		
Overall dimensions	mm	2.660 x 1.650 x 1.880
Weight	kg	3.950
Part No.		181 118



STAHLWERK PREMIUM LINE, a trademark of:

- » KNUTH Werkzeugmaschinen GmbH
- » Schmalenbrook 14 • 24647 Wasbek
- » Tel. +49 (0) 4321 609-149 • Fax +49 (0) 4321 68900
- » E-Mail: info@stahlwerk-cnc.com • www.stahlwerk-cnc.com