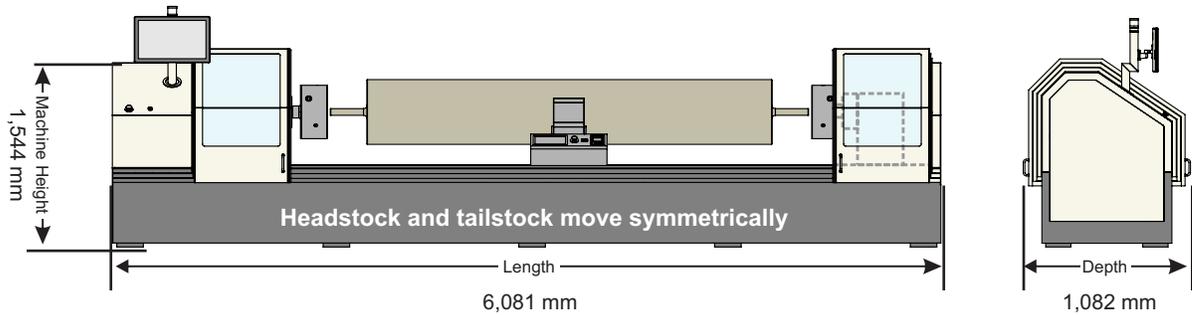


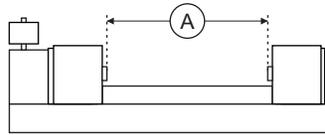
## Machine Dimensions and Weight



## Cylinder Fixturing Options

### Shafted Cylinder

3-Jaw Chuck  
(315 mm)



#### Max Overall Shafted

(A) 3600 mm

#### Max Face Length

(B) 3000 mm

#### Throat diameter

103 mm

#### Shaft diameter

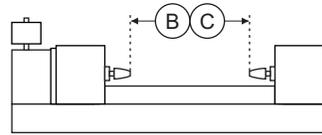
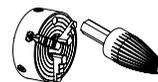
10 - 165 mm

#### Max swallow depth

99 mm

### Hollow Cylinders

3-Jaw Chuck (315 mm)  
with Cone/Arbor



#### Max Overall Shafted

(A) --

#### Max Face Length

(C) 2500 mm

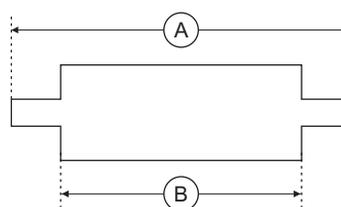
#### Bore Range

41 - 114 mm

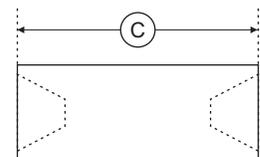
## Cylinder Data

Circumference range	350 - 1500 mm <sup>(1)</sup>
Weight maximum	500 kg
Allowable cylinder taper <sup>(2)</sup>	75 µm
Allowable runout	50 µm
Copper hardness	190 to 230 HV
Deviation of copper hardness	+/-5 HV

## Shafted Cylinders



## Hollow Cylinders



(1) Maximum physical cylinder sizes. Engraveable Circumferences depend upon applied engrave head, engraving frequency, screen, and screen angle range.  
 (2) See Site Survey 9800-3143 for machine weight and other details

#### Machine Technical Data

Environmental Temperature	20 - 25°C, 40-65% relative humidity, non-condensing	
Heat dissipation	1.5kW	
Floor bowing under load	0.2 mm/m	
	Execution according to DIN 18202	
	Do not use intermediate floors or support beams as machine foundation	
Maximum allowable floor vibration	Peak to Peak Amplitude	Frequency
	3.8 µm	2 - 8 Hz
	2.5 µm	9 - 15 Hz
	1.5 µm	16 - 21 Hz
	1.0 µm	>21 Hz

#### Connections

	Power	Voltage	FrequencyFuse
Power supply	5.00 kVA	1x220V +/- 3%	50/60Hz +/- 1%25A
	5.00 kVA	1x230V +/- 3%	50/60Hz +/- 1%25A
	5.00 kVA	1x240V +/- 3%	50/60Hz +/- 1%25A
Compressed Air	Minimum pressure of 586 Kilopascals or KPa (85 PSI). Minimum reserve capacity: 19 liters (5 gallons) per engraver. Only for Automated engraver		
Communication	Ethernet for Collage Interface. Internet connection, ideally via Collage computer, for TeamViewer remote support is strongly suggested		

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