



# NORIS Ø60

CNC-CONTROLLED AUTOMATIC LATHE



# NORIS Ø60

## FEATURES OF THE MACHINE

Model	unit	NORIS 60
<b>Spindle Work Field</b>		
Spindle passage diameter		
Round Bar	mm	Ø 60
Hexagonal bar	CH	51
Square Bar	SW	42

<b>Spindle</b>		
Bar passage diam.	mm	Ø 60
Motor power	Kw	15
Speed range	rpm	4000
Gripper closure with hydraulic cylinder		

<b>Counter-spindle</b>		
Motor power	Kw	3.5
Max No. Spins	rpm	3000
Hydraulic clamp closure		

<b>Cross trolley (X1 - Z1)</b>		
Z-axis slide stroke	mm	280
X-axis slide stroke	mm	126
X/Z axis fast speed	m/min.	30
Axes motors	power	900W
	nom. torque	2.4Nm
	max. torque	7.2Nm

<b>Cross slide (X2 - Z2)</b>		
Z-axis slide stroke	mm	100
X-axis slide stroke	mm	66
X/Z axis fast speed	m/min.	30
Axes motors	power	900W
	nom. torque	2.4Nm
	max. torque	7.2Nm
Tool section	mm	20x20


<b>Cross slide (X3 - Z3)</b>		
Z-axis slide stroke	mm	100
X-axis slide stroke	mm	66
X/Z axis fast speed	m/min.	30
Axes motors	power	900W
	nom. torque	2.4Nm
	max. torque	7.2Nm
Tool section	mm	20x20

<b>Cross trolley (X4 - Z4) counter-spindle</b>		
Z-axis slide stroke	mm	280
X-axis slide stroke	mm	173
X/Z axis fast speed	m/min.	30
Axes motors	power	900W
	nom. torque	2.4Nm
	max. torque	7.2Nm

<b>Cutting Trolley (X5)</b>		
X-axis slide stroke	mm	36
X-axis fast speed	m./min.	30
Axes motors	power	400W
	nom. torque	1.3Nm
	max. torque	5.0Nm
Tool section	mm	20x20

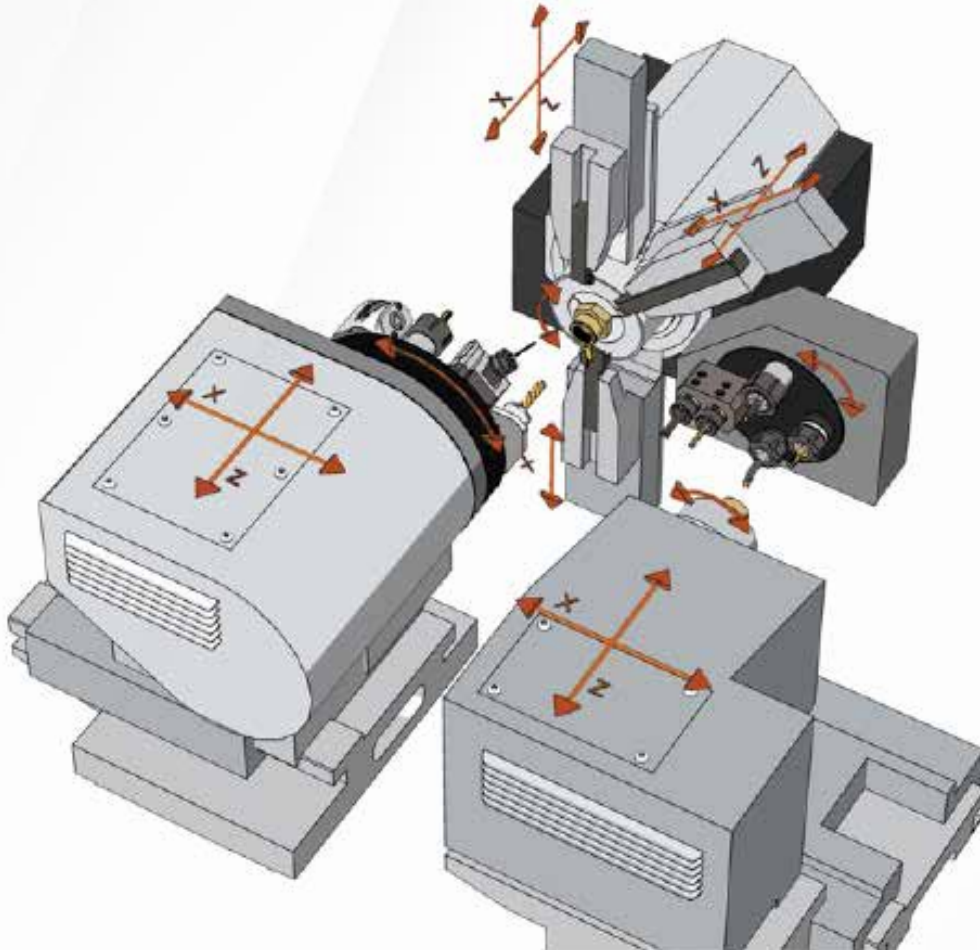
<b>Barruffaldi pneumatic motorised turret</b>		
Number of tool stations	no.	8
Tool attachment	WDI	30
Maximum distance from spindle	mm	310
Longitudinal stroke Z	mm	280

<b>Rear turret non-motorised</b>		
No. of Tool Stations	no.	4
Tool attachment	mm	Ø 20

<b>GENERAL</b>		
Three-phase supply voltage	V/Hz	400/50
Installed power	Kw	25
CNC numerical control	 Mitsubishi M800 12-axes	
Programming	ISO	
Hydraulic pressure	50 bar max.	
Pneumatic Pressure	6 bar	

<b>Dimensions without chip evacuation system</b>		
Overall dimensions ( L x W x H )	mm	2550 x 1490 x 2180
Dimension with chip evacuation system dimensions on ground ( L x W x H )	mm	3750 x 1490 x 2180
Approximate weight	kg	3200

# DATA OF POWER SUPPLY



## ELECTRICAL AND PNEUMATIC SYSTEM

### Voltage

Voltage	400V 50HZ
Installed power: maximum peak	41KW
rated in operation	25KW
mean cycle	18KW

## TOLERANCES OF ELECTRICAL POWER SUPPLY

### Voltage

Voltage at full speed:  $\pm 5\%$  of the rated voltage.

### Frequency

$\pm 1\%$  of the nominal frequency continuously.  
 $\pm 2\%$  of the nominal frequency for a short period.



**ITS**

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Via Lago di Molveno, 16 Z-I.  
36015 SCHIO (VI) - ITALY

[amministrazione@itsitaly.net](mailto:amministrazione@itsitaly.net)  
[www.itsitaly.net](http://www.itsitaly.net)

T. +39 0445 576255  
F. +39 0445 576257