



### SKU : 300809

The Basic Plus is a versatile lathe for single part production. Due to the large selection of optional accessories, this model is the best choice for repair, training and workshops of all kinds.

- Robustness and precision
- Compact design with small footprint
- Extensive standard equipment
- Quick change tool holder
- Assembled 3-axis position indicator

## TECHNICAL SPECS

### WORKING AREA

Center width	810 mm
Turning diameter over bed	300 mm
Turning-Ø over support	178 mm
Bed width	180 mm

### TRAVELS

Travel X-axis	155 mm
Travel Z1-axis	95 mm
Swing range of top slide	± 60°

### HEADSTOCK

Spindle speed	60 1/min - 1550 1/min
Spindle bore	38 mm
Spindle mount	Camlock D1-4
Spindle taper	5 MT

### FEED

Feed X-axis	0.014 mm/R - 0.38 mm/R
Feed Z-axis	0.052 mm/R - 1.392 mm/R

### THREADING

Threading, metric	(26) 0,4-7 mm
Threading, whitworth	(34) 4-56 TPI

### TAILSTOCK

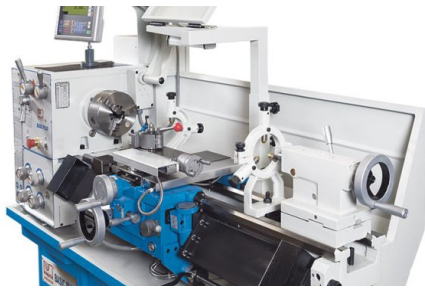
Tailstock quill diameter	32 mm
Tailstock taper	3 MT
Tailstock quill stroke	100 mm
Tailstock traverse adjustment	± 10 mm

### DRIVE CAPACITY

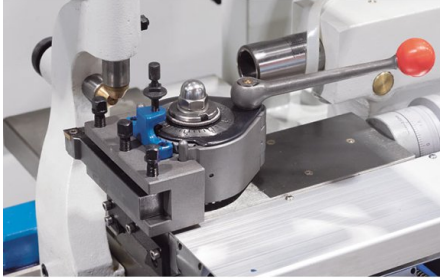
Motor rating main drive	1.1 kW
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### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	1.6 m x 0.75 m x 1.27 m
Weight	520 kg



Steady and follow rests are included



Positioning indicator on X, Z and Z1 axis



## PRODUCT DETAILS

- Hardened and ground headstock gears
- Headstock with Camlock D1-4" mount, bore diam. 38 mm, run in 2 adjustable tapered roller bearings
- Adjustable headstock bearing
- Tailstock can be moved  $\pm 10$  mm for taper turning
- Reversing gear reversing gearbox for changing the feed direction
- Guides are adjustable via tapered gibs
- Cast-iron bed, double v-guide, hardened and ground

## CONTROLS & SOFTWARE

### 3-axis position indicator X.Pos 3.2

- Integrating multiple functions, this new generation of 3 axis digital readouts significantly offer a much better control over the machining processes, greatly decreasing down-times and error rates
- It features a totally sealed enclosure made of high quality polyester film which protects it against hazardous environments in shop floors, such as dust or fumes and offers excellent chemical resistance to most commonly used industry solvents
- The optical scales provide 5 micron resolution (0.005 mm) with outside cover from aluminum for protection against oil, coolant and chips.

### Basic Functions

- Resolution of 0,005 mm
- Spindle control ON/OFF
- Unit measurement conversion Inch / Metric
- Setting / Resetting current position
- Coordinate display switching ABS / INC
- Radius / Diameter display
- Z1/Z2 Axes summing
- Pocket calculator functions

### Extended Functions

- Axis position is maintained when display is turned off
- Hole circle pattern calculation
- Radius / diameter toggle
- Reference function for tool gauging
- Taper turning function

## STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2  
 Quick change tool holder head WA  
 Quick change tool holder WAD 1675  
 3-jaw chuck  $\varnothing$  160 mm  
 4-jaw face plate chuck  $\varnothing$  200 mm  
 Face plate  $\varnothing$  250 mm  
 Steady and follow rests  
 Micrometer stop  
 Thread gauge  
 Reducing sleeve  
 Dead center  
 Protective shield for the toolpost  
 Chuck guard  
 Fixed splash guard (wall)  
 Work light  
 Toolbox with operating tools  
 Operator instructions