



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

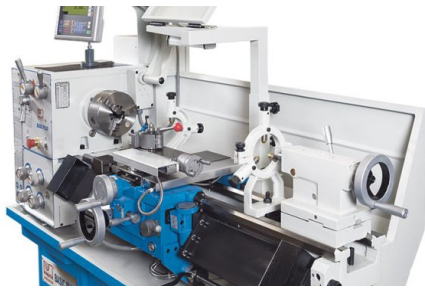
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|-------------------------------|---------|
| Tailstock quill diameter | 32 mm |
| Tailstock taper | 3 MT |
| Tailstock quill stroke | 100 mm |
| Tailstock traverse adjustment | ± 10 mm |

DRIVE CAPACITY

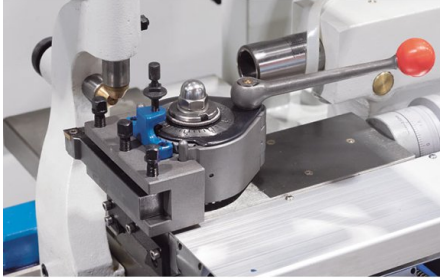
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|-------------------------|--------|
| Motor rating main drive | 1.1 kW |
|-------------------------|--------|

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 ± 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



KNUTH on YouTube

Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**