



Forceturn 800.30 is shown

- Spindle bore 85 or 105 mm
- Spindle speeds up to 2250 rpm

- lots of experience went into the design and construction of this machine bed featuring large guides that are hardened, ground and counter-laminated
- Powerful main drive motor handles part weights up to 1,7 t with ease
- Infinitely variable, programmable, and adjustable spindle speeds with automatic 3-step main gear
- Fagor 8055i A-TC featuring intuitive, easy to learn cycle programming, including Profile Editor, for batch and single part production of complex workpieces
- graphical simulation for added safety
- heavy, automatic 4-station servo-driven tool changer for programmed tool changes
- 2 electronic hand-wheels at the control panel for manual operation and for easy, quick setup of new workpieces and tools
- a high-performance coolant system and automatic central lubrication system are included



Easy handling: for positioning, the tailstock can be coupled to the support



Compact control unit with electronic hand-wheels



Option: steady rests up to 400 mm diameter

## Standard Equipment

Fagor 8055i FL-TC control, 2 electronic hand-wheels, 3-jaw chuck Ø 300 mm, automatic 3-step gears, 4-station servo tool holder, coolant system, central lubrication, tailstock, work lamp, operating tools, operating manual and programming instructions

Options	Part No.
• Steady rest 280-400 mm	250937
• Steady rest 50-300 mm	250936
• Steady rest 130 - 370 mm	250935
• 4-jaw lathe chuck, cast-iron, 457 mm	250103
• E-Forceturn 630/800 spare part package for 100350 - 100355	259213

For additional options for this machine, visit our website and search for Forceturn 630 • 800 (Product Search)

## Specifications Forceturn

		630.15	630.30	630.50	800.15	800.30	800.50
<b>Working area</b>							
Turning diameter over bed	mm	670	670	670	818	818	818
Bed width	mm	450	450	450	450	450	450
Center height	mm	335	335	335	420	420	420
Turning-Ø over support	mm	400	400	400	570	570	570
Workpiece length (max.)	mm	1.600	3.100	5.100	1.600	3.100	5.100
X-axis travel	mm	450	450	450	450	450	450
Z-axis travel	mm	1.500	3.000	5.000	1.500	3.000	5.000
<b>Headstock</b>							
Speed range	1/min	27 - 2.250	27 - 2.250	27 - 2.250	20 - 1.500	20 - 1.500	20 - 1.500
Spindle mount		D1-8	D1-8	D1-8	A1-11	A1-11	A1-11
Spindle bore	mm	85	85	85	105	105	105
<b>Feed</b>							
Rapid feed X- / Z-axis	mm/min	5.000	5.000	5.000	5.000	5.000	5.000
<b>Tooling</b>							
Number of tool stations	Pieces	4	4	4	4	4	4
<b>Accuracies</b>							
Positioning accuracy X-axis	mm	0,015	0,015	0,015	0,015	0,015	0,015
Positioning accuracy Z-axis	mm	0,015	0,02	0,03	0,015	0,02	0,03
Repeatability X-axis	mm	0,007	0,007	0,007	0,007	0,007	0,007
Repeatability Z-axis	mm	0,007	0,01	0,015	0,007	0,01	0,015
<b>Tailstock</b>							
Tailstock quill stroke	mm	170	170	170	170	170	170
Tailstock quill taper / Ø	mm	MT 5 / 105	MT5 / 4	MT5 / 4	MT5 / 4	MT5 / 4	MT5 / 4
<b>Drive capacity</b>							
Main drive motor rating (cont/30 min)	kW	15 / 22	15 / 22	15 / 22	15 / 22	15 / 22	15 / 22
Motor rating X- / Z-axis	kW	2 / 3,6	2 / 3,6	2 / 3,6	2 / 3,6	2 / 3,6	2 / 3,6
Total power consumption	kVA	40	40	40	40	40	40
<b>Measures and weights</b>							
Overall dimensions (length x width x height)	m	4x2,25 x2,25	5,5x2,25 x2,25	7,5x2,25 x2,45	4x2,25 x2,25	5,5x2,25 x2,25	7,5x2,25 x2,45
Weight	kg	4.100	5.600	7.600	4.500	6.000	8.000
Part No.		100350	100351	100352	100353	100354	100355