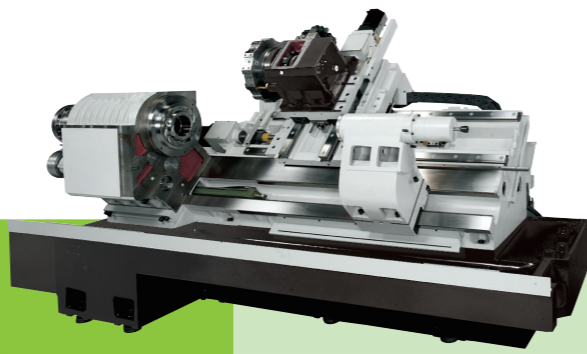
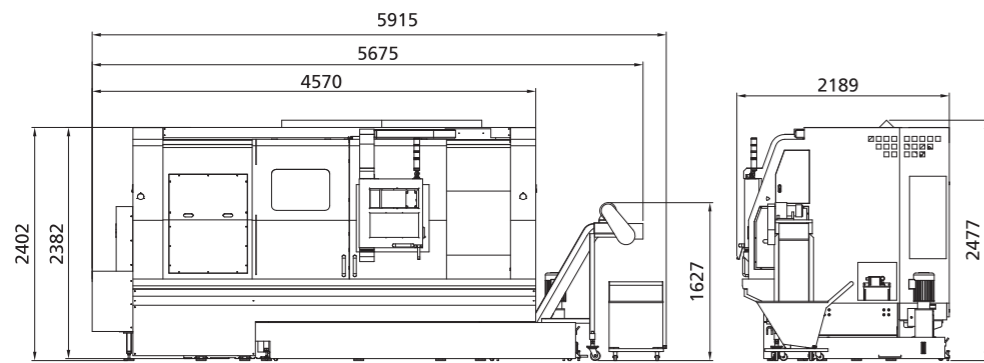


# ML-850

## Linear Guide Way Lathe



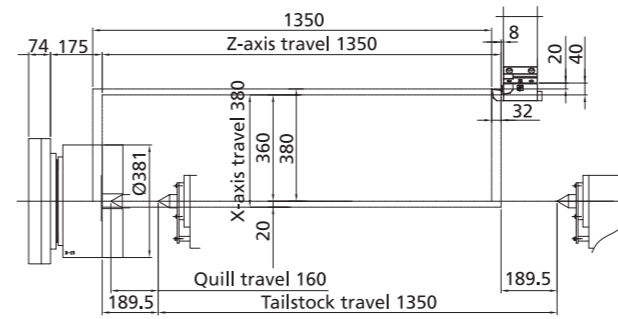
Dimensional Drawings



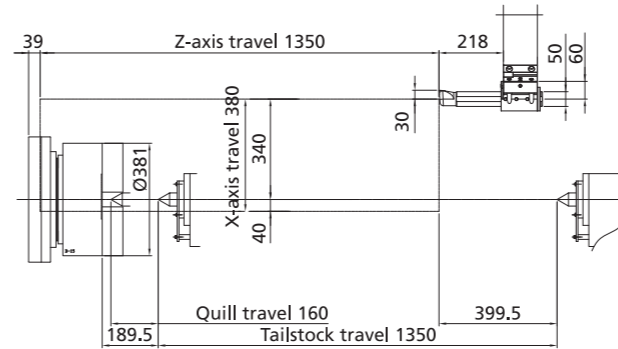
### Work Envelope

#### HYDRAULIC TURRET

##### O.D TOOL HOLDER

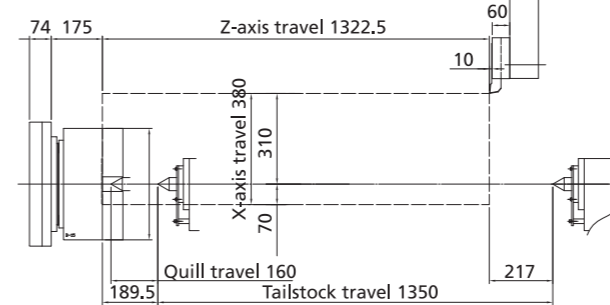


#### I.D TOOL HOLDER



#### POWER TURRET

##### O.D TOOL HOLDER



### Machine Specifications

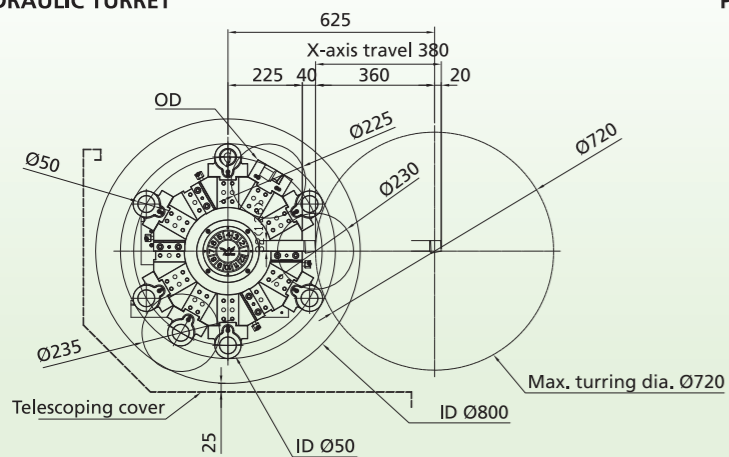
Unit: mm

ITEM	ML-850	
	Standard	C axis
CAPACITY	Swing over bed (mm)	Ø850
	Swing over saddle (mm)	Ø600
	Distance between center (mm)	STD: 1520 (A2-11)
	Max. machining dia. (mm)	Ø720 / Ø600    Ø620 / Ø600
	Max. machining length (mm)	Ø720 x 150 + Ø600 x 1270    Ø620 x 185 + Ø600 x 1250
TRAVEL RANGE	X-axis (mm)	380 (360+20)
	Z-axis (mm)	1350
	C-axis (mm)	360° (0.001°)
SPINDLE	Spindle speeds (rpm)	40~2000 (4-step gearbox)
	Spindle nose	STD: A2-11
	Spindle bore dia. (mm)	STD: Ø134 (A2-11)
	Front bearing inner dia. (mm)	STD: Ø180 (A2-11)
	Draw Bar Dia. (mm)	STD: Ø120
Chuck	Chuck diameter	STD: Ø15"; OPT: Ø18" (Manual)
	Type	STD: Servo; OPT: Hydraulic, VDI    Live-tooling
TURRET	Stations	STD: 8; OPT: 12    STD: 12
	Model	YDPM Hydraulic turret    BSDT-320-460/12, ODT-N32
	Square tool shank	32 x 32
	Boring bar shank diameter	Ø50
	Indexing time for 180° (including locking) (sec)	3.2    2.71
LIVE-TOOL FEEDRATE	Spindle speeds (rpm)	-    50~3500
TAILSTOCK	Type	Automatic
	Quill diameter (mm)	Ø125
	Quill bore taper	MT-5
MOTORS	Quill travel (mm)	160
	Main spindle (kW)	STD: α22/7000i 22/26; OPT: α30/6000i 30/37
	Live-tool (kW)	-    α 12 (11/15)
	X/Z-axis servo motor (kW)	X: α22 4.0; Z: α22 4.0
	Hydraulic oil pump (kW)	2.25
ACCURACY	Chip conveyor (kW)	0.2
	Positioning (mm)	±0.005
	Repeatability (mm)	±0.004
POWER	Coolant pump (kW)	0.8
	Fanuc (KVA)	380-415/220V STD: 30KVA; OPT: 40KVA
MACHINE SIZE	Height (cm)	248
	Floor space (W x D) (cm)	457 x 219
	Packing (w/conveyor) (cm)	607 x 229 x 256
	Net weight (w/conveyor) (kgs)	11820
Gross weight (w/conveyor) (kgs)	12600	

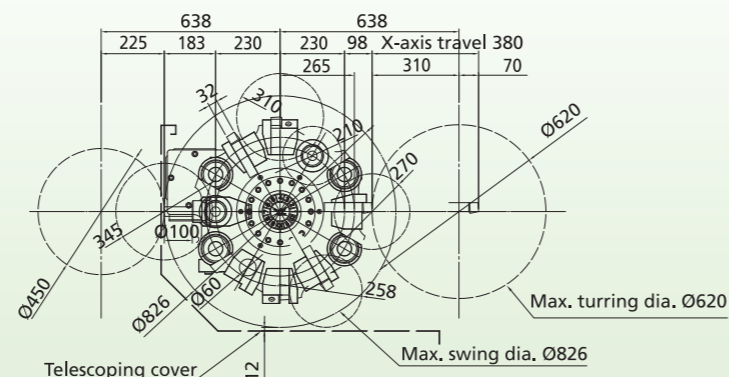
Note: Specifications are subject to change without further notice.

### Tool Interference Diagram

#### HYDRAULIC TURRET



#### POWER TURRET



### Spindle Power and Torque Diagram

