



# PIIT MACHINES



# supercut - L

## NEW LONGER SERIES CNC TURNING MACHINE

- ▶ Modular concept, Common platform for 1500 / 2000 / 3000 Models
- ▶ Robust spindle with big bore sizes
- ▶ High rapid traverse 20 m/min - lesser non cutting time (x-axis)
- ▶ Compact foot print in its class
- ▶ Precision linear motion guide ways for axes
- ▶ Precision ball-screw Fixed-Fixed, pre-stretched mounting- higher stiffness & accuracy
- ▶ Slide in chip trolley or chip conveyor
- ▶ Latest FANUC or Siemens CNC system
- ▶ Turn Mill centers - Live tool and C-axis optional.

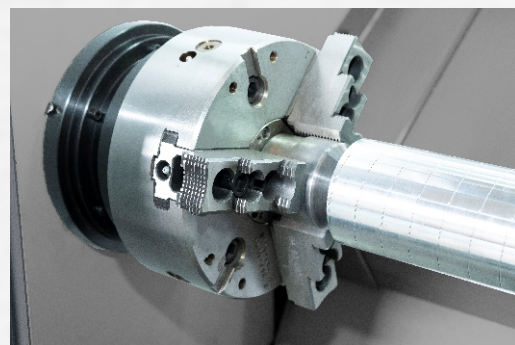
## 1500/2000/3000 ABC

# SPECIFICATION : SUPERCUT L Series

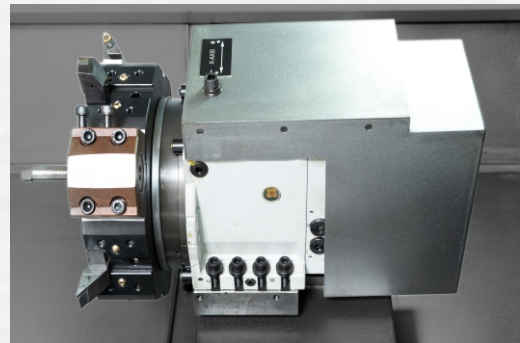
Capacity	Unit	1500 L	2000 L	3000 L
Chuck size	mm	250	300	400
Turning length between centre	mm	1500	2000	3000
Max Turning diameter between centre	mm	250	300	400
Swing over cross slide	mm	300	450	450
swing over way covers	mm	500	500	500
Max bar work size **	mm	62	80	100
Slant angle to horizontal	deg	35	35	35
<b>Headstock:</b>				
Spindle nose		A2-6	A2-8	A2-11
Hole through spindle	mm	76	90	120
Front bearing dia	mm	110	130	160
Spindle speed range	rpm	35-3500	30-3000	25-2000
Constant power speed range	rpm	1000-3000	1000-3000	750-2000
Spindle motor power	kW	11./15	18.5/22	18.5/22/30(0)*
Spindle center height	mm	1100	1100	1100
<b>Axes:</b>				
X-axis stroke	mm	220	220	220
Z-axis stroke	mm	1500	2000	3000
Ball-screw dia & pitch	mm	Ø 32x10P(X)Ø 50x10P(Z)		
Axes motor power and torque ( X/Z )	Nm	11/11	11/22	11/22
Rapid rate	m/min	20(X),8(Z)		
Feed rate	mm/min	8000	8000	8000
<b>Turret &amp; Tooling's:</b>				
Turrent type		Electromechanical		
Number of stations		8	8	8
Positioning Accuracy	deg	+/-6"	+/-6"	+/-6"
Repeatability	deg	+/-2"	+/-2"	+/-2"
Tyep of Disc		Oct-Slotted wedge type		
Turning tool size	mm	25x25	32x32	32x32
Boring bar size	mm	Ø40	Ø40/Ø50	Ø40/Ø50
<b>Tailstock:</b>				
Quill diameter	mm	80	80	80
Tailstock centre		MT-4	MT-4	MT-4
Quill movement	mm	100	100	100
Tailstock travel	mm	1300	1800	2200
Maximum thrust at 25 bar	Nm	10,000	10,000	10,000
<b>Tank Capacity:</b>				
Coolant tank with chip trolley	Ltr	220	260	350
Coolant tank with chip conveyor	Ltr	220	260	350
Hydraulic tank capacity	Ltr	40	40	40
<b>Machine Size &amp; Weight:</b>				
Lx Wx (approx)	m	4 x 2	4.6 x 2	6 x 2
Weight (approx) Co. chip conveyor	kg	5500	7200	9400
<b>CNC System :</b>				
No. of axes		2	2	2
Electricals		415V, 3 Phase, 50Hz		
Control voltage		24 V DC	24 V DC	24 V DC
Total connected load (Approx)	KVA	30	40	40
<b>Accuracy</b>				
Positioning accuracy x/z	mm	0.01(X)/0.015/300(Z)		
Repeatability accuracy x/z	mm	0.006	0.006	0.006
<b>Note : All specifications in this catalogue are subject to change without notice.</b>				

\*Dependent on selection of work holding

## Chuck



## Turret



## Tail Stock



## Steady Rest



## PIIT MACHINES LIMITED

Head Office & Works : P.O.Box No. 1102, Behind PCMC Building, Mumbai-Pune Road, Pimpri, Pune - 411 018 (India)

Tel. No.- +91-20-27426219 to 23

E-mail - rd@pmtmachines.com, marketing@pmtmachines.com

Website - www.pmtmachines.com

Halol Works : 178, Kadachala, Halol - 389350. Gujarat (India)

Tel. No.- +91-02676-246786/87

E-mail - cb@pmtmachines.com, mkt.brd@pmtmachines.com

## Sales and Service Network

MUMBAI Mobile. No - 98217 13400 | 93217 13400

NEW DELHI Mobile. No - 98104 01815

BANGALORE Mobile. No - 99860 48173

CHENNAI Mobile. No - 98401 02157

COIMBATORE Mobile. No - 98403 66822

JAMSHEDPUR Mobile. No - 99341 19234

VADODARA Mobile. No - 96625 03927

KOLKATA Mobile. No - 70034 85126

KOLHAPUR Mobile. No - 97305 76789

E-mail - pmtmumbai@pmtmachines.com | pmtmumbai@gmail.com

E-mail - pmtdelhi@pmtmachines.com

E-mail - pmtbangalore@pmtmachines.com | pmtbangalore6@gmail.com

E-mail - pmtchennai@machines.com | pmtmadras02@gmail.com

E-mail - pmtcbe@gmail.com

E-mail - dalbir34singh@rediffmail.com | pmtjsr@gmail.com

E-mail - mkt.brd@pmtmachines.com

E-mail - pmtkolkata@gmail.com

E-mail - ssd@pmtmachines.com