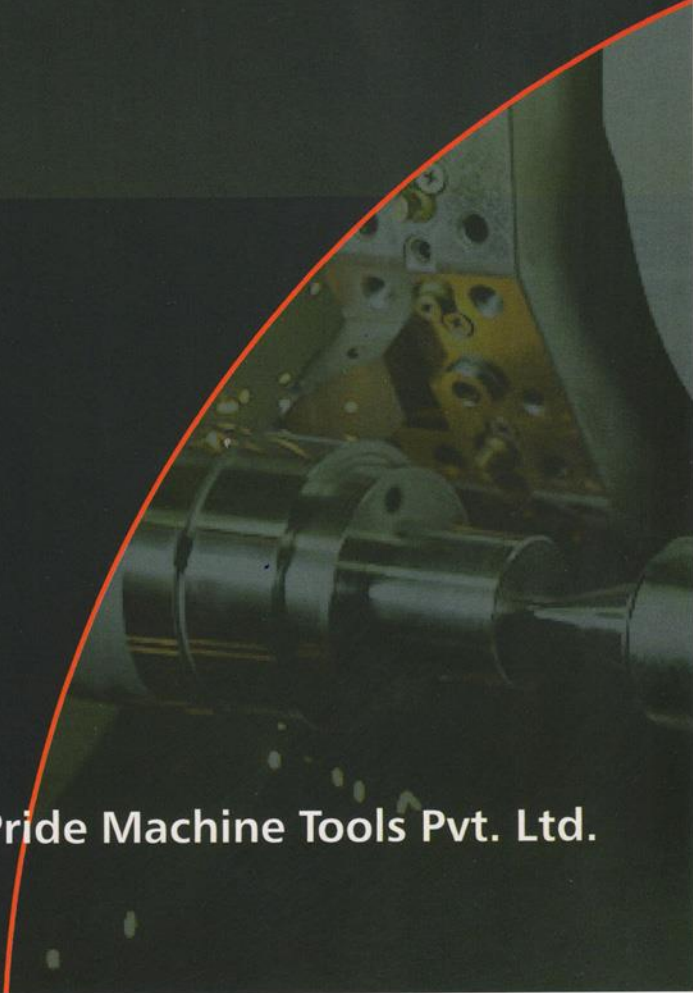




**PRIDE**  
TURNING TO EMPOWER

## **COST EFFECTIVE TURNING SOLUTIONS**

Crafted with Pride.  
With you in Mind



**Pride Machine Tools Pvt. Ltd.**

## PROTURN i



- Very Compact Machine
- Roller LM guide ways on both axes
- Bi-directional 8 Stn turret & tailstock as standard feature.

## TORPEDO

- Compact footprint
- Roller LM guide ways on both axes
- 30° slant bed for better chip disposal



### Specifications

	Unit	PROTURN i	TORPEDO
<b>CAPACITY</b>			
Distance between centers	mm	280	220
Max. turning dia	mm	140	200
Max turning length	mm	240	200
Swing over bed	mm	400	400
Swing over carriage	mm	180	180
<b>MAIN SPINDLE</b>			
Spindle nose		A2-4	A2-5
Bore through spindle	mm	37	53
Bar capacity *	mm	25	25
Chuck size	mm	135	165
Front bearing bore	mm	75	80
<b>SPINDLE DRIVE</b>			
Spindle motor power (cont./30 min Rating)	kW	3.7/5.5	5.5/7.5
Speed range	rpm	50-4000	50-4000
<b>AXES SLIDES</b>			
X axis stroke	mm	85	100
Rapid traverse x axis	m/min	20	20
Z axis stroke	mm	270	240
Rapid traverse z axis	m/min	20	20
<b>TAILSTOCK</b>			
Quill diameter	mm	60	60
Quill stroke	mm	80	80
Taper in quill	mm	MT-4	MT-4
Tailstock body travel	mm	260	260
<b>TURRET</b>			
Turret type		BTP-63	BTP-63
No. of stations		8	8
OD turning tool size	mm	20 x 20	20 x 20
Max. boring bar size	mm	32	32
Weight (approx.)	Kg	1800	2200
Dimension L	mm	1775	1950
W	mm	1350	1400
H	mm	1480	1700
CNC SYSTEM Std. / Opt.		FANUC / Siemens or Mitsubishi	

\* Depends on the work holding.

## ARIES/ARIES PLUS



- Roller LM guide ways on both axes
- Rigid cartridge type spindle
- Programmable tailstock quill as a standard feature

## ULTRA LYNX



- Rigid cast iron structure
- Roller LM guide ways on both axes
- Cartridge type spindle
- Programmable tailstock quill as a standard feature

## LEO



- Rigid cast iron structure
- Roller LM guide ways on both axes
- Suitable for long components
- Bigger turning diameter

### Specifications

	Unit	ARIES	ARIES PLUS	ULTRA LYNX	LEO
<b>CAPACITY</b>					
Distance between centres	mm	300	300	400	500
Max. turning dia	mm	320	320	320	320
Max turning length	mm	280	220	400	500
Swing over bed	mm	460	460	460	500
Swing over carriage	mm	200	200	230	230
<b>MAIN SPINDLE</b>					
Spindle nose		A2-5	A2-6	A2-5	A2-5
Bore through spindle	mm	53	63	53	53
Bar capacity *	mm	42	51	42	42
Chuck size	mm	200	200	200	200
Front bearing bore	mm	80	100	80	80
<b>SPINDLE DRIVE</b>					
Spindle motor power (cont./30 min Rating)	kW	5.5/7.5	7.5/11	5.5/7.5	5.5/7.5
Speed range	rpm	50-4000	50-3000	50-4000	50-4000
<b>AXES SLIDES</b>					
X axis stroke	mm	185	185/320	185	185
Rapid traverse x axis	m/min	20	30000	20	20
Z axis stroke	mm	320	320	400	500
Rapid traverse z axis	m/min	20	30000	20	20
<b>TAILSTOCK</b>					
Quill diameter	mm	80	80	80	80
Quill stroke	mm	100	100	100	100
Taper in quill	mm	MT-4	MT-4	MT-4	MT-4
Tailstock body travel	mm	200	200	280	450
<b>TURRET</b>					
Turret type		BTP-80	BTP-80	BTP-80	BTP-80
No. of stations		8	8	8	8
OD turning tool size	mm	25 x 25	25 x 25	25 x 25	25 x 25
Max. boring bar size	mm	40	40	40	40
Weight (approx.)	Kg	2500	2800	3000	3500
Dimension L	mm	2000	2000	2150	2300
W	mm	1535	1540	2200	2500
H	mm	1650	1650	1620	1690
CNC SYSTEM Std. / Opt.		FANUC / Siemens or Mitsubishi			

\* Depends on the work holding.

**LYNX PLUS**



- Rigid cast iron structure
- Roller LM guide ways on both axes
- Rigid cartridge type spindle
- Programmable tailstock quill as a standard feature

**JAGUAR**

- Rigid cast iron structure
- Roller LM guide ways on both axes
- Longer strokes
- Programmable tailstock quill as a standard feature



**PARAM-350**



- Rigid cast iron structure
- Heavy duty roller LM guide ways on both axes
- Ideally suited for machining large diameters

**Specifications**

	Unit	LYNX PLUS	JAGUAR	PARAM-350
<b>CAPACITY</b>				
Distance between centres	mm	400	500	500
Max. turning dia	mm	320	350	350
Max turning length	mm	400	500	500
Swing over bed	mm	460	500	500
Swing over carriage	mm	230	230	230
<b>MAIN SPINDLE</b>				
Spindle nose		A2-6	A2-6	A2-6
Bore through spindle	mm	63	63	63
Bar capacity *	mm	42(51)	51	42(51)
Chuck size	mm	200	200	250
Front bearing bore	mm	100	100	100
<b>SPINDLE DRIVE</b>				
Spindle motor power (cont./30 min Rating)	kW	7.5/11	7.5/11	11/15
Speed range	rpm	50-3000	50-3000	50-3000
<b>AXES SLIDES</b>				
X axis stroke	mm	185	185	185
Rapid traverse x axis	m/min	20	20	20
Z axis stroke	mm	400	500	500
Rapid traverse z axis	m/min	20	20	20
<b>TAILSTOCK</b>				
Quill diameter	mm	80	80	80
Quill stroke	mm	100	100	100
Taper in quill	mm	MT-4	MT-4	MT-4
Tailstock body travel	mm	280	450	450
<b>TURRET</b>				
Turret type		BTP 80	BTP 80	BTP-80
No. of stations		8	8	8
OD turning tool size	mm	25 x 25	25 x 25	25 x 25
Max. boring bar size	mm	40	40	40
Weight (approx.)	Kg	3000	3650	3650
Dimension L	mm	2150	2300	2300
W	mm	2200	2200	2200
H	mm	1620	1690	1690
CNC SYSTEM Std. / Opt.			FANUC / Siemens or Mitsubishi	

\* Depends on the work holding. ( ) Optional

## JAGUAR PLUS



- Roller LM guide ways on both axes
- Rigid cartridge type spindle
- Programmable tailstock quill as a standard feature

## DHANUSH

- Heavy duty roller LM guide ways on both axes
- Wide specification to cover large range of applications



### Specifications

	Unit	JAGUAR PLUS	DHANUSH-10	DHANUSH-12
<b>CAPACITY</b>				
Distance between centers	mm	750	720	720
Max. turning dia	mm	350	350	400
Max turning length	mm	700*	720	720
Swing over bed	mm	500	550	550
Swing over carriage	mm	270	260	320
<b>MAIN SPINDLE</b>				
Spindle nose		A2-6 (A2-8)	A2-6	A2-8
Bore through spindle	mm	63 (86)	63	86
Bar capacity *	mm	51 (74)	51	74
Chuck size	mm	200 (250)	250	315
Front bearing bore	mm	100 (120)	100	120
<b>SPINDLE DRIVE</b>				
Spindle motor power (cont./30 min Rating)	kW	11/15 (15/18.5)	11/15	15/18.5
Speed range	rpm	50-3000	50-3000	50-2500
<b>AXES SLIDES</b>				
X axis stroke	mm	185	180	210
Rapid traverse x axis	m/min	20	15	15
Z axis stroke	mm	750	750	750
Rapid traverse z axis	m/min	20	15	15
<b>TAILSTOCK</b>				
Quill diameter	mm	80	100	100
Quill stroke	mm	100	125	125
Taper in quill	mm	MT-4	MT 5	MT 5
Tailstock body travel	mm		420	420
<b>TURRET</b>				
Turret Type		BTP-100	BTP 100	BTP 125
No. of stations		8	8	8
OD turning tool size	mm	25 x 25	25 x 25	32 x 32
Max. boring bar size	mm	40	40	50
Weight (approx.)	Kg	4000	5000	5500
Dimension L	mm	2800	3000	3000
W	mm	1900	2500	2500
H	mm	1700	1800	1800
CNC SYSTEM Std. / Opt.		FANUC / Siemens or Mitsubishi		

\* Depends on the work holding. ( ) Optional

## MEGA TURN 100



- Roller LM guide ways on both axes
- Ideally suited for machining large diameters

## MEGA TURN 150



- Roller LM guide ways on both axes
- Ideally suited for machining large diameters

## UNNATHI 1000



- Roller LM guide ways on both axes
- Ideally suited for machining long shaft type components

### Specifications

	Unit	MEGATURN -100	MEGATURN-150	UNNATHI 1000
<b>CAPACITY</b>				
Distance between centers	mm	1000	1500	1000
Max. turning dia	mm	500	500	300
Max turning length	mm	1000	1500	1000
Swing over bed	mm	600	600	500
Swing over carriage	mm	460	460	230
<b>MAIN SPINDLE</b>				
Spindle nose		A2-8 (A2-11)	A2-8 (A2-11)	A2-6 (A2--8)
Bore through spindle	mm	86 (105)	86 (105)	63 (86)
Bar capacity *	mm	74 (90)	74 (90)	51 (74)
Chuck size - Std	mm	315 (400)	315 (400)	200 (250)
Front bearing bore	mm	120 (150)	120 (150)	100 (120)
<b>SPINDLE DRIVE</b>				
Spindle motor power	kW	15/18.5	15/18.5	11/15 (15/18.5)
(cont./30 min Rating)		(18.5/22)	(18.5/22)	(18.5/22)
Speed range	rpm	50-3000 (50-2500)	50-3000 (50-2500)	50-3000
<b>AXES SLIDES</b>				
X axis stroke	mm	260	260	160
Rapid traverse x axis	m/min	15	15	20
Z axis stroke	mm	1000	1500	1040
Rapid traverse z axis	m/min	15	15	20
<b>TAILSTOCK</b>				
Quill diameter	mm	100	100	80
Quill stroke	mm	120	120	100
Taper in quill	mm	MT 5	MT 5	MT 5
Tailstock body travel	mm	1240	1720	800
<b>TURRET</b>				
Turret Type		BTP 125	BTP 125	BTP 80
No. of stations		8 (12)	8 (12)	8
OD turning tool size	mm	32 x 32	32 x 32	25 x 25
Max. boring bar size	mm	50	50	40
Weight (approx.)	Kg	5500	6000	4200
Dimension L	mm	3500	4150	2900
W	mm	1800	1900	1900
H	mm	1980	1980	1700
CNC SYSTEM Std. / Opt.		FANUC / Siemens or Mitsubishi		

# Vertical Turning Lathes

## PLV-30



- Roller LM guide ways on both axes
- Large strokes on both X & Z axes
- Ideally suited for machining large diameters

## PLV-40

- Roller LM guide ways on both axes
- Large strokes on both X & Z axes
- Ideally suited for machining large diameters



### Specifications

	Unit	PLV - 30	PLV - 40
<b>CAPACITY</b>			
Max. turning dia	mm	630	800
Max turning length	mm	700	800
Swing over bed	mm	700	1000
Swing over carriage	mm	250	600
<b>MAIN SPINDLE</b>			
Spindle nose		A2-8	A2-11
Bore through spindle	mm	NA	NA
Bar capacity **	mm	NA	NA
Chuck size	mm	315 (400)	500
Front bearing bore	mm	120	150
<b>SPINDLE DRIVE</b>			
Spindle motor power (cont./30 min Rating)	kW	1.5/18.5 (18.5/22)	18.5/22, (∞ P40)
Speed range	rpm	50-2500	50-2500
<b>AXES SLIDES</b>			
X axis stroke	mm	350	450
Rapid traverse x axis	m/min	15	15
Z axis stroke	mm	730	830
Rapid traverse z axis	m/min	15	15
<b>TURRET</b>			
Turret type		BTP 125	BTP 125
No. of stations		8 (12)	8 (12)
OD turning tool size	mm	32 x 32	32 x 32
Max. boring bar size	mm	50	50
Weight (approx.)	Kg	6000	9500
Dimension L	mm	1850	2620
W	mm	2500	2210
H	mm	2080	3230
CNC SYSTEM Std. / Opt.		FANUC / Siemens or Mitsubishi	

\* Depends on the work holding. ( ) Optional

## PLUTO/PLUTO PLUS



- Linear indexing chucker
- Roller LM guide ways on both axes
- Large strokes on both X & Z axes

## PLC 20



- Linear indexing chucker
- Roller LM guide ways on both axes
- Large strokes on both X & Z axes

### Specifications

	Unit	PLUTO	PLUTO PLUS
<b>CAPACITY</b>			
Standard Turning dia	mm	60	60
Standard Turning length	mm	60	60
Maximum Turning dia	mm	200*	200*
Max turning length	mm	150*	120*
Swing over bed	mm	400	400
<b>MAIN SPINDLE</b>			
Spindle nose		A2-4	A2-5
Bore through spindle	mm	37	53
Bar capacity **	mm	25	42
Chuck size	mm	135	165
Front bearing bore	mm	75	80
<b>SPINDLE DRIVE</b>			
Spindle motor power	Kw	3.7/5.5	3.7/5.5
(cont./30 min Rating)			
Speed range	rpm	50-4000	50-4000
<b>AXES SLIDES</b>			
X axis stroke	mm	240	240
Rapid traverse x axis	m/min	20	30000
Z axis stroke	mm	220	220
Rapid traverse z axis	m/min	20	30000
<b>TURRET</b>			
Turret Type		Linear Tooling	Linear Tooling
No. of stations			8
OD turning tool size	mm	20x20	20x20
Max. boring bar size	mm	32	32
Weight ( approx.)	Kg	1700	1800
Dimension L	mm	1700	1700
W	mm	1300	1300
H	mm	1500	1500

	Unit	PLC 20	PLC 50
<b>CAPACITY</b>			
Max. turning diameter	mm	150	550
Max turning length	mm	300	300
Swing over bed	mm	550	730
Swing over carriage	mm	180	400
<b>MAIN SPINDLE</b>			
Spindle nose		A2-5	A2-8
Bore through spindle	mm	53	86
Bar capacity **	mm	42	74
Chuck size	mm	165/200	315
Front bearing bore	mm	80	120
<b>SPINDLE DRIVE</b>			
Spindle motor power	kW	5.5/7.5	11/15
(cont./30 min Rating)			
Speed range rpm		50-4000	50-3000
<b>AXES SLIDES</b>			
X axis stroke	mm	410	290
Rapid traverse x axis	m/min	20	20
Z axis stroke	mm	300	350
Rapid traverse z axis	m/min	20	20
<b>TURRET</b>			
Turret type		Linear Tooling	BTP 100/125
No. of stations		Gang Tooling	8
OD turning tool size	mm	25x25	25x25 / 32x32
Max. boring bar size	mm	40	40/50
Weight (approx.)	Kg	2800	4000
Dimension L	mm	1900	2430
W	mm	1380	1930
H	mm	1580	1620
<b>CNC SYSTEM</b>		Std. / Opt.	FANUC / Siemens or Mitsubishi

\* Optimum capacity \*\* Depends on the work holding.



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