

Product Brochure For L7243

## PUMA 3100LY - Y Axis CNC Turning Centre

Please Call



ORDER CODE:	L7243
MODEL:	PUMA 3100LY
Swing (mm):	850 (720)
Max Turning Diameter (mm):	420
Turning Length (mm):	1285
Chuck Diameter (mm):	380
Bar Diameter Capacity (mm):	102
Tool Stations (No.):	12
Spindle Speed (rpm):	2800
Spindle Motor (kW):	22
Guideways:	Box Guideway
Control:	Doosan Fanuc I Series (0i-Plus)
Programming:	EZI Guide I Conversational
C Axes Resolution (deg):	0.001
Milling Speed (rpm):	5000
Milling Collets:	ER32
Sub Chuck Diameter (mm):	-
Y Axis Travel (mm):	130 (±65)



### Description

#### Basic Specifications

- 850mm (720) Swing Over Bed
- 670mm Swing Over Saddle
- 1285mm Turning Length
- 420mm Turning Ø
- 130mm (±65mm) Y Axis Travel
- 360° (0.001° Resolution) C Axis
- 500kg Main Spindle Capacity, 1000kg Shaft Work Capacity

#### Main Spindle

- 102mm Bar Capacity
- 380mm Ø Hydraulic Chuck
- 2800RPM Spindle Speed
- 22kW Spindle Power
- 1123Nm Spindle Torque

#### Tailstock

- MT5
- 100mm Quill Ø
- 100mm Quill Travel
- Programmable Positioning

#### Turret

- BMT 65 Tool Mounting
- 5000RPM Live Tool Speed
- 7.5kW Live Tool Power
- 95.5Nm Live Tool Torque
- 12 Station Turret
- 25mm Square / 50mm Ø Tool Capacity
- ER32 Live Tool Collet Size
- Eppinger Preci-Flex Tooling System

#### CNC Control

- Doosan Fanuc I Series (0i-Plus) CNC Controller
- 15" Colour LCD Monitor
- Rigid-synchronised tapping

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- Custom Macro B
- Ethernet Interface
- RS232 Interface
- USB & PCMCIA Memory Card Slot
- Doosan Ezi Guide "I" Conversational software:
- Graphical Turning Cycles
- Graphical Milling Cycles
- Full 3D Graphical Simulation
- Onboard G & M code assistance
- + more

### Standard Equipment - Included

- 3 Jaw Hydraulic Power Chuck
- Chuck Cleaning Air Blast
- Eppinger rotary tool holders with Preci-Flex adapter set
- Coolant supply equipment
- Foot switches
- Transformer
- Full enclosure chip and coolant shield with front door interlock
- Hand tool kit
- Automatic lubrication equipment
- Comprehensive manuals incorporating, Operation, Maintenance, Programming, Spare Parts Diagrams, Hydraulic Schematics, Electrical Schematics and Ladder Diagrams.
- Safety name plates / tags where required
- Risk assessment
- Work light

### Optional Equipment Included

- Chuck open close confirmation proximity switches
- Chip Conveyor (Side Discharge, Hinged Belt)
- Auto Tool Setter (Hydraulically operated)
- Coolant Oil Skimmer
- 7 Bar High Pressure Coolant
- Barfeed Interface
- Programmable Tailstock
- Chuck Cleaning Air Blast

### Standard Turret Tool Holder Package Included

- 4 x OD Tool Holder (R & L)
- 3 x ID Tool Holder
- 1 x Face Tool Holder (R & L)
- 1 x U Drill Cap
- 2 x Straight Milling Unit
- 2 x Angular Milling Unit
- 1 x Boring Sleeve Kit
- 1 x U Drill Sleeve Kit
- 1 x Preci-Flex Adapter Kit
- 1 x ER 32 Milling Collet Set
- 1 x Hard & Soft Jaws

### Local Service and Support

- Commissioning & Testing Included
- Comprehensive Operator Training Included
- Hare and Forbes In House Service And Applications Staff
- Ongoing Support For Life Of The Machine

### Features

- Doosan Machine Tools changes its name to DN Solutions
- Read more at:



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**Specific Features**



Puma 2600Y



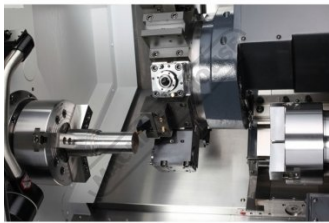
Puma 2600SY



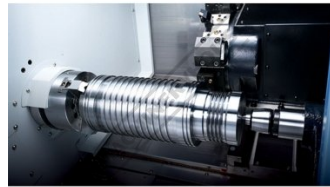
Puma 3100ULY



Puma Turret



PUMA 2600SY Turning



Puma 2600 Large Shaft