

Product Brochure For L7120

## CNC Turning Centre - PUMA GT3100M C Axis



ORDER CODE:	L7120
MODEL:	PUMA GT3100M
Swing (mm):	720
Max Turning Diameter (mm):	376
Turning Length (mm):	725
Chuck Diameter (mm):	305
Bar Diameter Capacity (mm):	102
Tool Stations (No.):	12
Spindle Speed (rpm):	2800
Spindle Motor (kW):	22
Guideways:	Box Guideway
Control:	DN Solutions Fanuc I Series (0i-MD)
Programming:	EZI Guide I Conversational
C Axis Resolution (deg):	0.001
Milling Speed (rpm):	5000
Milling collets:	ER32
Sub Chuck Diameter:	~
Y Axis Travel:	~



### Description

#### Basic Specifications

- 720mm Swing Over Bed
- 590mm Swing Over Saddle
- 725mm Turning Length
- 376mm Turning & Oslash;
- 3600 (0.0010 Resolution) C Axis
- 390kg Main Spindle Capacity, 1000kg Shaft Work Capacity

#### Main Spindle

- 102mm Bar Capacity
- 300mm & Oslash; Hydraulic Chuck
- 2800RPM Spindle Speed
- 22kW Spindle Power
- 1123Nm Spindle Torque

#### Tailstock

- MT5
- 100mm Quill & Oslash;
- 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 & Oslash; Tool Capacity
- ER32 Live Tool Collet Size
- Eppinger Preci-Flex Tooling System

#### CNC Control

- Doosan Fanuc I Series (0i-MD) CNC Controller
- 10.4" 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 & 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

### 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 25 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:

**Doosan Machine Tools  
changes its name to**



**DN SOLUTIONS**

**MACHINE GREATNESS™**

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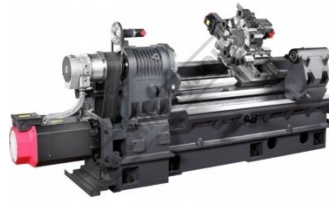
**Specific Features**



Puma GT2100M



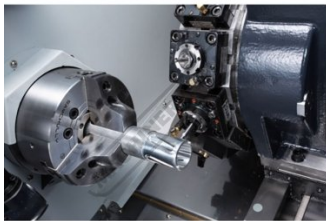
Puma GT2600M



Puma GT Frame



Puma GT Hobbing



Puma GT Milling