

2. SPECIFICATION

2-1 Developing the Specification

2-1-1 Developing the specification QT 15N

Quick Turn 15N is available in a plenty of variations besides the standard type. For example, a model is especially designed to increase the productivity and another is equipped with the special accessories compatible with factory automation equipment (FA). Thus, Quick Turn 15N will need a wide diversity of requirements on the customers' part. Before reading this manual and other instructions, you are requested, first of all, to make certain what the machine delivered to you is.

(1) Developed specification drawing

☐ : Standard Spec. ☐ : Special Spec.

Model	Spindle motor	Spindle speed torque	Turret and chuck	Spindle/Edge shape Hole diameter	Spindle bearing	Tailstock Diameter/Taper	Distance between centers	Main specification
Unit	KW (30 min.)	RPM	Hollow type	mm		mm	mm	mm (inch)
QUICK TURN 15N (341)	AC 15	45 ~ 4500	8D/8P & $\phi 8"$ 12D & $\phi 8"$ 8D/16P & $\phi 8"$	A ₂ -6" $\phi 62$	NN + Angular + NN	(Full automatic) Turning* center $\phi 80$ /MT. No.4 Turning* center $\phi 80$ /MT. No.5	500U 500C	1) Swing on carriage wing: $\phi 440$ ($\phi 17$) 2) Maximum machining diameter: $\phi 8"$ chuck $\phi 210$ ($\phi 8$) 3) Standard machining diameter: $\phi 150$ ($\phi 6$) 4) Outer diameter cutting tool: $\phi 25 \times 150$ ($\phi 1 \times 6$) ① 8D: Right hand ② 12D: Left hand 5) Inner diameter cutting tool: Maximum: $\phi 40$ ($\phi 1\frac{1}{2}$)

There are manual and full automatic types (Standard: Full automatic)

Spindle motor made by Mitsubishi is the standard unit.

8D - Octagonal turret 12D - Dodecagonal turret P - Indexing position

Special accessories compatible with FA (For factory automation equipment)

Compatible with factory automation

Robot System FLEX-1

Auto-Feed System

Automatic Part Catcher

Automatic Door Opener/Closer

Automatic Chuck Opener/Closer

Power Feed

Power Switch

Automatic Power Circuit Breaker

Warning Alarm Buzzer

Emergency Stop Lamp

Emergency Stop Switch

Emergency Stop Button

Emergency Stop Cord

Emergency Stop Box

Emergency Stop Key

Emergency Stop Lock

Emergency Stop Release

Emergency Stop Reset

Emergency Stop Test

Emergency Stop Alarm

Emergency Stop Signal

Emergency Stop Indicator

Emergency Stop Light

Emergency Stop Horn

Emergency Stop Bell

Emergency Stop Gong

Emergency Stop Chime

Emergency Stop Tinkle

2) Compatible with high accuracy

- X-Axis Linear Scale Feedback System
- Coolant Temperature Control System

3) Safety measures

- Front Door Interlock
- Overload Detecting Unit
- Earth Leakage Circuit Breaker
- Hydraulic Pressure Warranty Interlock

4) Chip/Coolant Unit

- Chip Conveyor
- Powerfull Coolant
- Chip Bucket
- Floor Oil Pan

5) Miscellaneous

- Various Types of Power Chucks
- Various Types of Tool Sockets/Holders
- Spare Turrets