



ACL-10

CNC LATHE



Chuck 6", AD-65
Swing 320mm
Bar capacity 42, 65mm



THE LEADER IN QUALITY AND RELIABILITY

ACL-10

- The processing speed is faster than other NC Lathe because of the Gang type table, this table type saves the tools feeding time, changing time and return time.



• Gang type



• Subplate (Option)

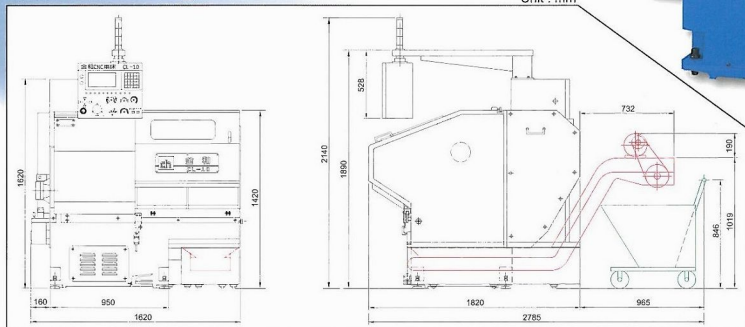
- Different types of special subplate sets can be changed. Setting all of the tools on subplate in advance is suitable for long terms and can process a large quantity. There is no need to alter the tools one by one, you can save time by replacing the subplate when changing work piece.

- Use the tool holder when there are various kinds of small quantity work piece. You can simply alter programs when the work piece needs to be changed, which is more convenient and economical than automatic turning machine.



• Dimensional Drawing

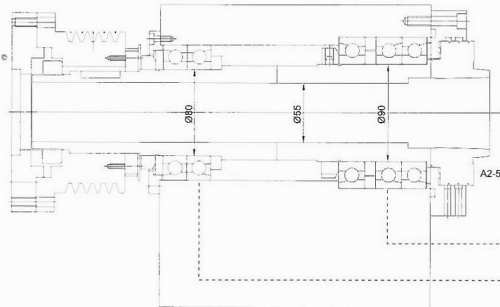
Unit : mm



• Manual-loading auto

• Structure and dimensions of spindle

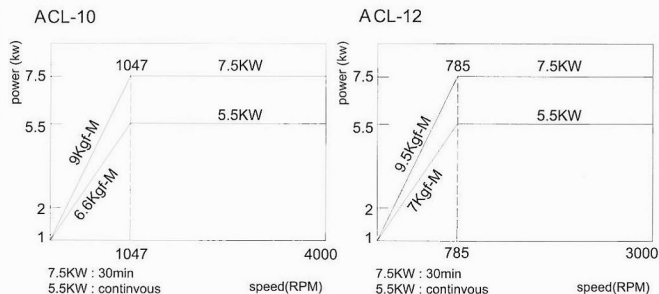
- The crique precision spindle is supported with the Angular-Contact precision bearing for high accuracy, speed and radial load.



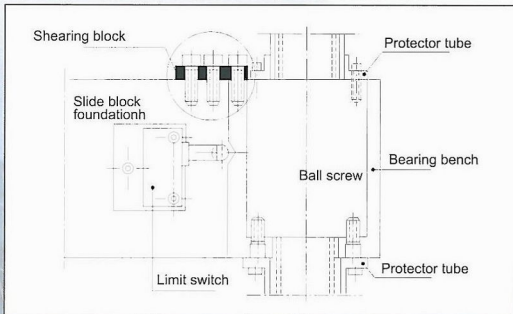
Spindle is consisted of Angular-Contact precision bearing for high accuracy, thrust, radial load.

- ▶ three 7018 pairs of p class Angular-contact precision bearings
- ▶ two 7016 pairs

• Spindle speed / output diagram



- Over-Travel stopper were designed for Z-Axis to prevent any accident.
- If the bearing bench moves and the shearing block snaps, the limit switch will showed the "a larm" sign and the processing will autonomic stop.



Item	ACL-10	ACL-12
Capacity	Swing over bed	320mm
	Standard turning diameter	150mm
	Standard cutting length	100mm
Stroke	X-axis	480mm
	Z-axis	250mm
Spindle	Speed	80-4000rpm
	Spindle nose	A2-5
	Spindle bearing ID	90mm
	Spindle bore	50mm
	Bar Capacity	42mm
Toolholder	Type	Gang bed fixed on cross slide
	OD tool shank	□20mm
	ID tool shank(Max.)	ø25mm
Feed traverse	X - axis	10m/min
	Z - axis	8m/min
Motor	Main motor(30min.)	10HP \ 7.5kw
	Servo motor	X:1.2HP \ 0.9kw Z:1.3HP \ 1.0kw
	Hydraulic unit motor	1HP \ 0.75kw
	Coolant pump motor	1/4HP \ 0.18kw
Machine dimension	Height	1900mm
	Floor space	1750x1900mm
	Weight	2100 kgs

Equipment & Accessories

Standard

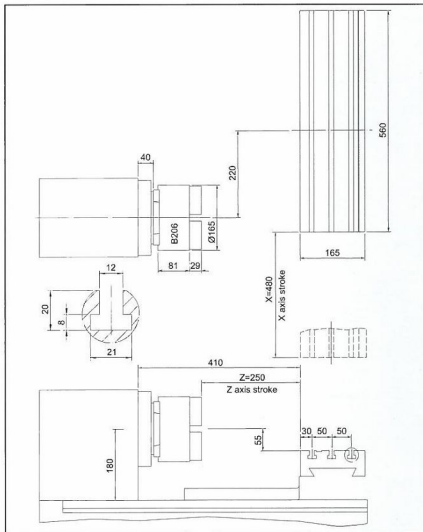
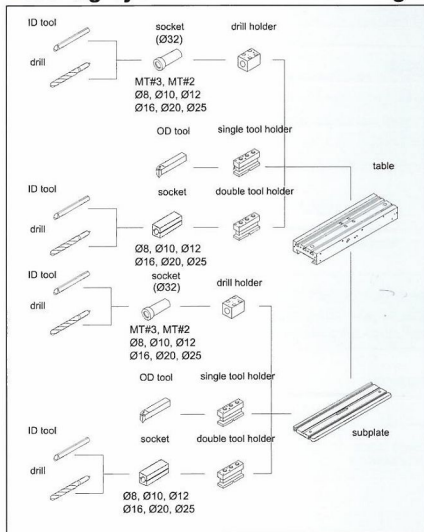
- FANUC 0TD controller
- Main motor 10HP
- Hydraulic system
- 6" hollow 3-jaw hydraulic chuck for CL-10
- Hard jaws & soft jaw 1 SET/ EACH for CL-10
- AD-65 collet chuck for CL-12
- Coolant tank & coolant system
- Moving door & splash guard
- Work light
- Single tool holder 4 PCS
- Double tool holder 1 PC
- Drill holder 1 PC
- Boring bar socket 1 SET
- Drill socket 1 SET

Optional

- Subplate
- Single, double tool holder for subplate
- Drill holder for subplate
- Chip conveyor & chip bucket
- Transformer
- Spindle mechanical orientation, 15', 24 position
- Drill attachment
- Graphic display
- Manual-loading automatic feeder system
- Milling angle attachment
- Material puller

※ Specifications are subject to change without notice.

Tooling System & Interference Diagram



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