



CELLS TEC CO., LTD.

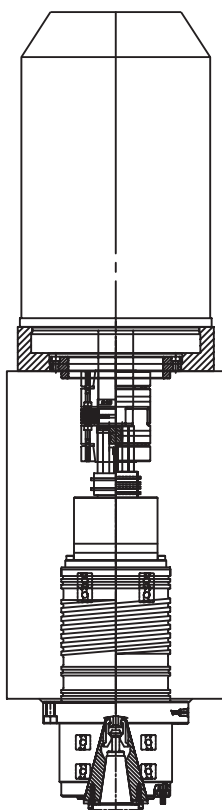
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High-Speed Direct Drive **D-Series**

User Information

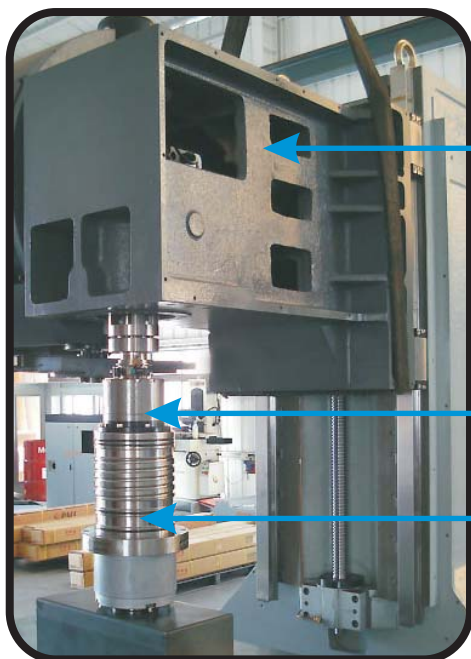


Modular Spindle Technology

A-09508E/01



Installation



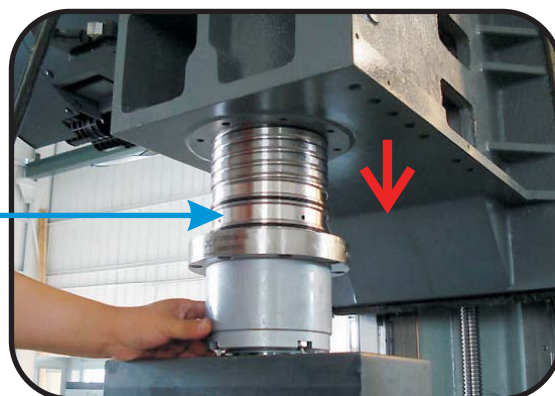
(1) Move cartridge up.

(2) Relax the drive dogs.

(3) Put spindle on the table.
(Clean surface of housing.)

(4) Move table until spindle and hole in alignment.
(Caution: pipe degree.)

(5) Slow down the cartridge until spindle insert.
(Caution :slide tolerance.)



(6) Fix 2 screw first.

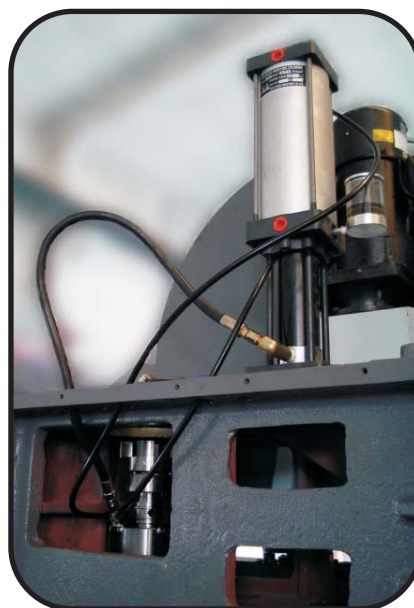
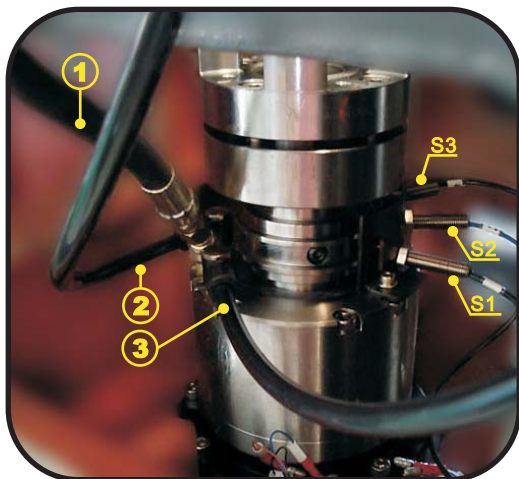
(7) Move up cartridge and tight all screws.



(8) Lock drive dogs.
(Caution : don't change positions.)



(9) Install pipes and sensors.



- ① PO cylinder - Oil in (1/4*1W Oil pipe)
- ② PI cylinder - air in (ø8mm diameter)
- ③ AC taper cleaning (ø8mm diameter)

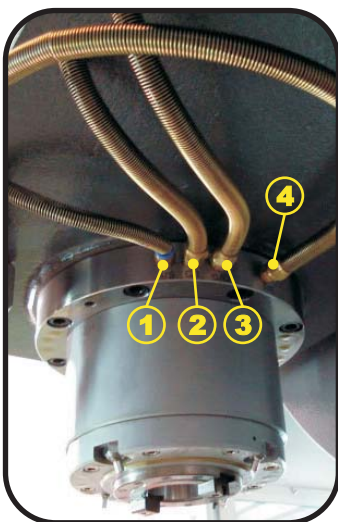
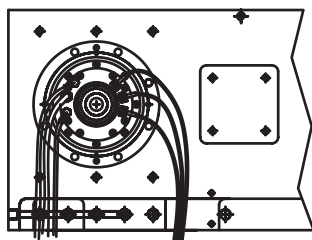
◎Tools position

1. THREE SENSORS

- M4 SENSOR*3
 - S1 Tool change
 - S2 Spindle start with tool
 - S3 No tool

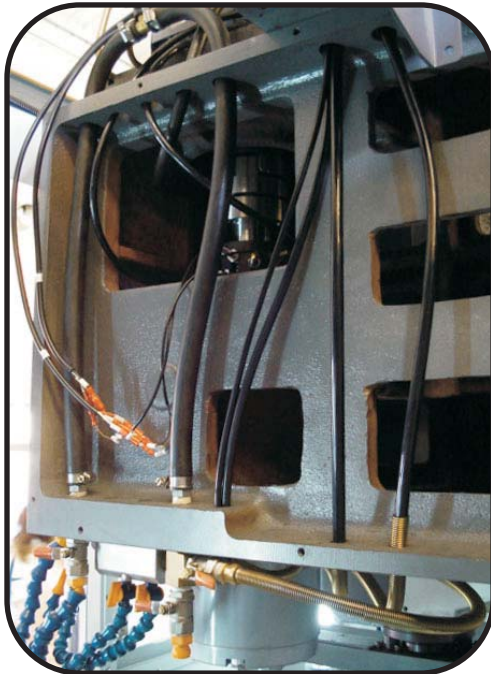
2. TWO SENSORS

- M8 SENSOR*1 - Tool change
- M8 SENSOR*1 - Spindle start with tool&no tool



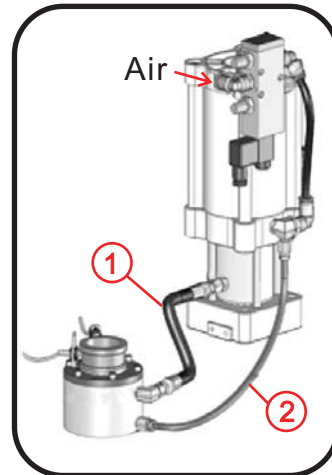
(10) Link Purge air/Cooling/External coolant.

- ① A/S Purge air PT 1/8
- ② C/I Cooling in PT 1/8 (Or, through cartridge)
- ③ C/O Cooling out PT 1/8 (Or, through cartridge)
- ④ WE External Coolant PT 1/8 (Or, through cartridge)



Cylinder pipes chart.

Booster chart

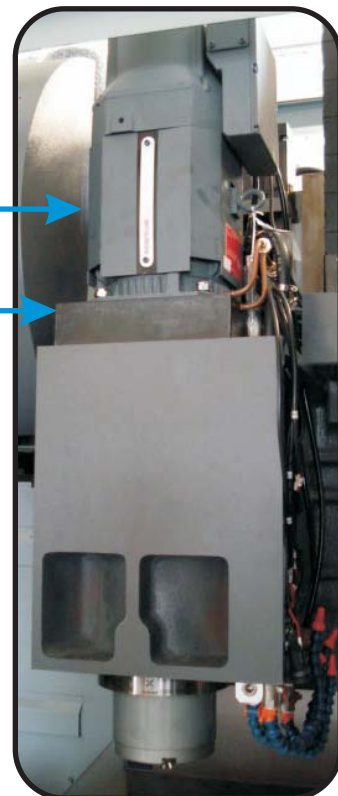
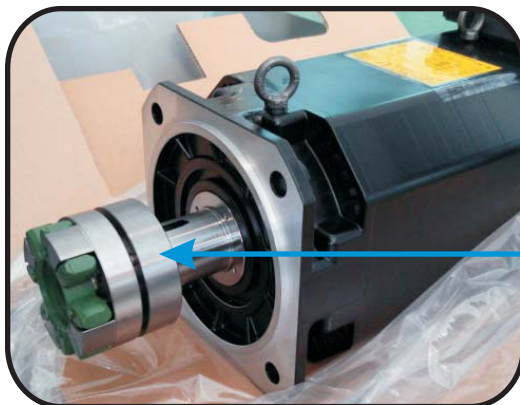


① PO cylinder -oil in

② P I cylinder -air in

(11) Coupling Locked with motor shaft.

(Add CTS check P4.)



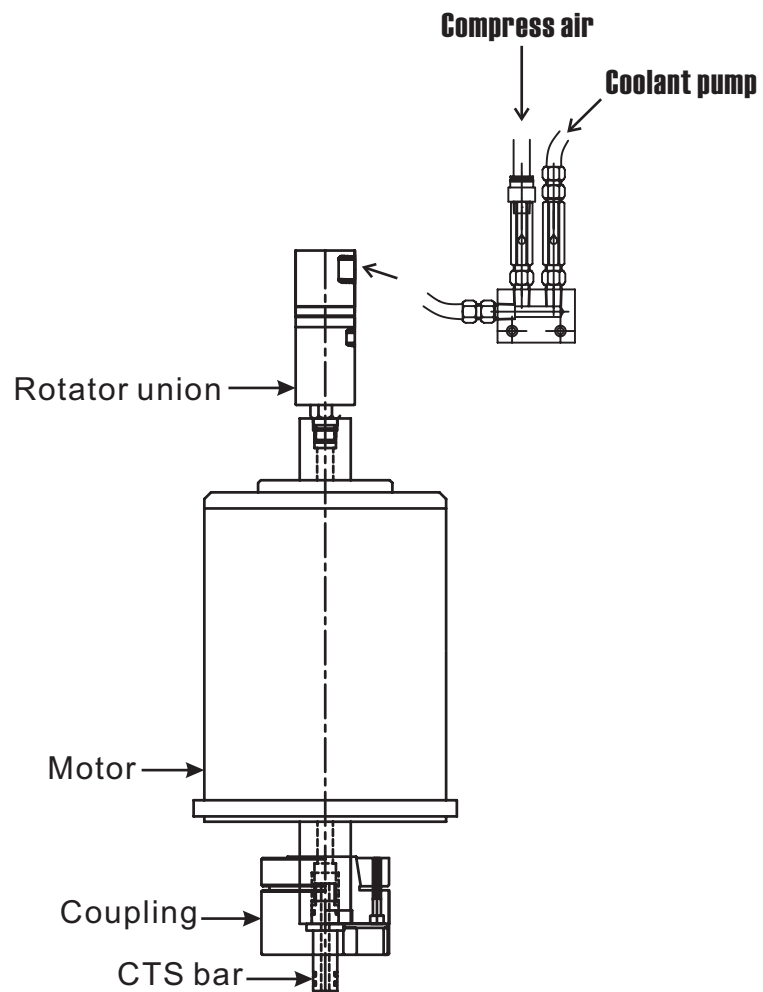
- (12) install motor base concentricity.
- (13) install motor.



Photo of motor with CTS



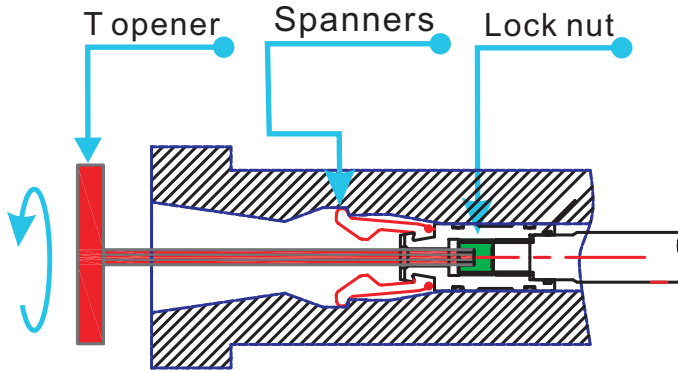
Caution: need insert CTS bar.



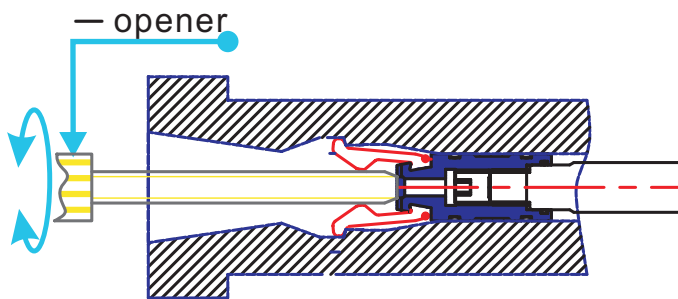


Check ejection path(E.M.)

(1) Retighten the lock nut through a clamped tool (direct:C.C.W.)



(2) Adjust gauge dimension E.M. (in unclamped position)



(3) Tighten the lock nut(direct:C.W.)

