

# SHRINK-FIT HEATER


# HEAT ROBO

## Shrink-fitting at low heating temperature


- Shrink-fitting temperature is comparatively low, about 300°C, which is safer for the materials.  
Tools can be changed by the inexpensive and compact shrink-fit unit.

### Hot-air Heater


- The heater will not over-heat the holder.



**3kw** HEAT ROBO Baby3000S  
\$3,000~



**1.2kw** HEAT ROBO Baby1200S



**1kw** HEAT ROBO Baby1000

### Induction Heater

- Clean and safe Induction Heater. Desktop type.



**1.2kw** HEAT ROBO DENJI 1200S  
\$9,200~



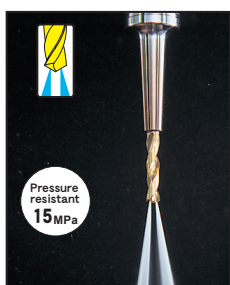
**5kw** HEAT ROBO DENJI 5000S

### For COOLANT through

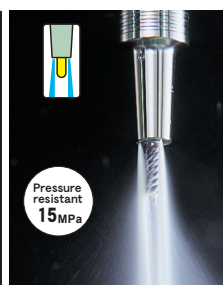
### Withstanding pressure 15MPa

### 7MPa (NOZZLE through)


- The shrink-fit holder has a very simple configuration without a collet or a tightening nut. It is easily and completely compatible with through spindle coolant.



Pressure resistant 15MPa  
**CUTTER through**  
From the tip of cutter



Pressure resistant 15MPa  
**FLUSH through**  
From the tip of holder to the cutting edge



Pressure resistant 7MPa  
**NOZZLE through**  
From the nozzle

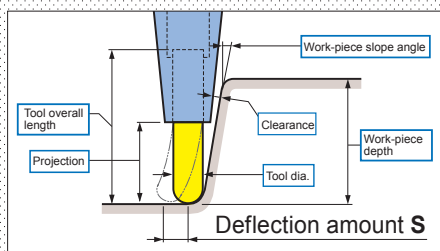
**Ideal for carbide coolant-thru drills!**

3.175 3 4 5 6 7 8 9 10 11 12 16 20 25  
Applicable for all drill shanks.


### Rigidity calculation software

### Holder automatic selection

- Automatically select optimum holders in the order of smaller deflection value S by inputting tool and work-piece information.



Enter your tool holder, cutting tool, and work-piece information.



Output DXF files.

No.	Holder	Deflection amount
1	BT40-SLSA6-150cv	3.2
2	BT40-SLSA6-120cv	4.8
3	BT40-SLSA6-180cv	5.2
4	BT40-SLSA6-125-M42	5.6
...	...	...

This system lists tool holders in descending order of rigidity.

### USER Customization

### Modifying outer-dimension

- When you have interference using a standard holder, you can customize it yourself.



➔ P. 257

- MST can customize upon your request.
- There is a dimensional limitation for customizing.