
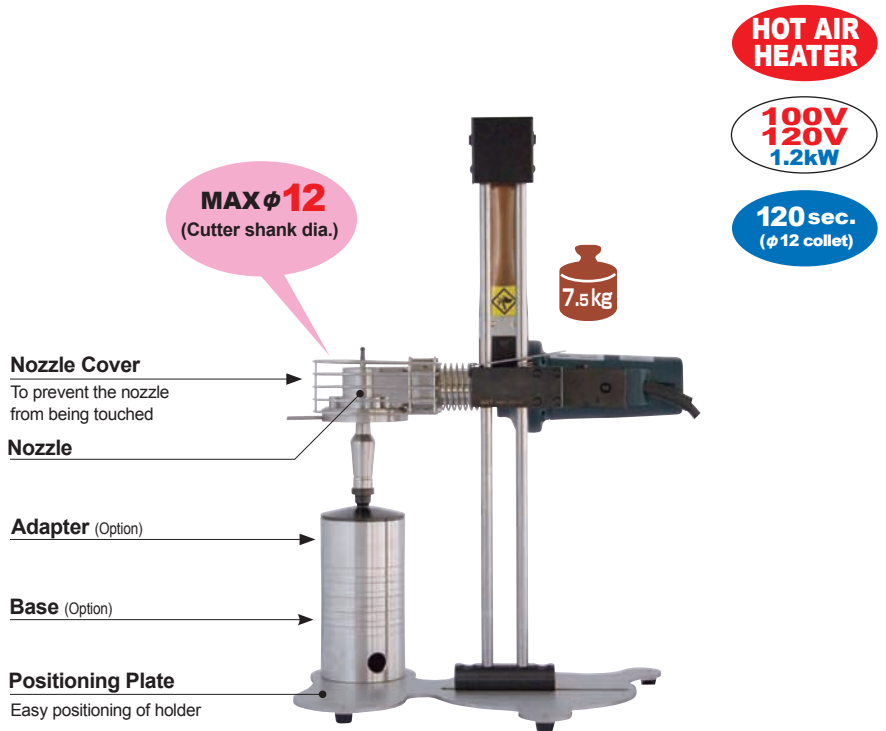


SHRINK-FIT HOLDER
SLIMLINE

SHRINK-FIT HEATER

HEAT ROBO Baby 1200S

CODE	HRB-02S	HRB-02S-120NA
VOLTAGE	AC100V	AC120V
POWER SUPPLY	1200W	
SIZE	W362 × D105 × H570	
EFFECTIVE SHRINK-FIT DIMENSIONS	<div></div> <div>Max C = dia. 32 (Max dia. 24 only for M22 type)</div>	
HEATING TIME	120SEC. (φ 12 collet)	
<div>■Standard Accessories •Heat-resistant gloves</div> <div>• Tweezers •Timer</div> <div>■Option •Please choose from the common parts on P. 8.</div>		



HEAT ROBO Baby 3000S

Compatible with All MST
Shrink-Fit Holders



CODE	HRB-03S	HRB-03S-230NA -230EU -230AS
VOLTAGE	AC200V	AC230V
POWER SUPPLY	3000W	
SIZE	W450 × D215 × H570	
HEATING TIME	70SEC. (φ 12 collet)	
<div>■ Standard Accessories</div> <div>● Tweezers ● Heat-resistant gloves ● Timer</div> <div>■ Note ● Factory compressed air (5kgf/cm²) is required. (consumption air volume : 245 ℓ / min)</div> <div>● Please prepare an air tube (outer diameter of 8 mm) and connection coupling.</div> <div>■ Option ● Please choose from the common parts on P. 8.</div>		



★ **Cost-Effective Hot-Air Type**



★ **Electromagnetic Induction Heater**

★ **Instant Shrink Fitting**



★ **Easy Operation**

★ **Easy positioning by single hand.**

★ **Water Cooling - Significantly Reduced Cooling Time**

★ **Low-Temperature Shrink Fitting at 300°C**

ELECTROMAGNETIC INDUCTION HEATER

100V
1.2kW

18 sec.
(ϕ 12 collet)

Air Cooling
1 min.



Desk Top Type

MAX ϕ 12
(Cutter shank dia.)

Heating Coil

Cooling Nozzle

Adapter (Option)

Base (Option)

Touch Panel

- Timer
- Coil selection
- Heating
- Cooling



HEAT ROBO

DENJI
電磁 1200

CODE	HRD-01
VOLTAGE	AC100V
POWER SUPPLY	1200W
SIZE	W270 × D410 × H550
HEATING TIME	18 SEC. (ϕ 12 collet)

■ **Standard Accessories**

- Tweezers
- Heat-resistant gloves
- Coil (2pcs.)

■ **Note** •Factory compressed air (5kgf/cm²) is required.
(Consumption air volume : 245l/min)

- Please prepare an air tube (outer diameter of 8 mm) and connection coupling.

Transformer for HEAT ROBO DENJI 1200

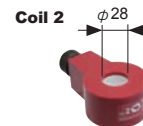
HEAT ROBO DENJI 1200 is for 100V. The transformer is required for 120V and 230V. (MST can supply them.)
Below is specification.

OUTPUT	100V	
FREQUENCY	50/60Hz	
CAPACITY	1500 W	
INPUT	120V	230V
INPUT PLUG	A type	SE type



Heating Coil (Standard Accessories)

	CODE	Heating time	Cutter shank
Coil 1	HRD-CL1-01	18sec.	ϕ 3~ 6mm
Coil 2	-CL2-01	33sec.	ϕ 7~12mm

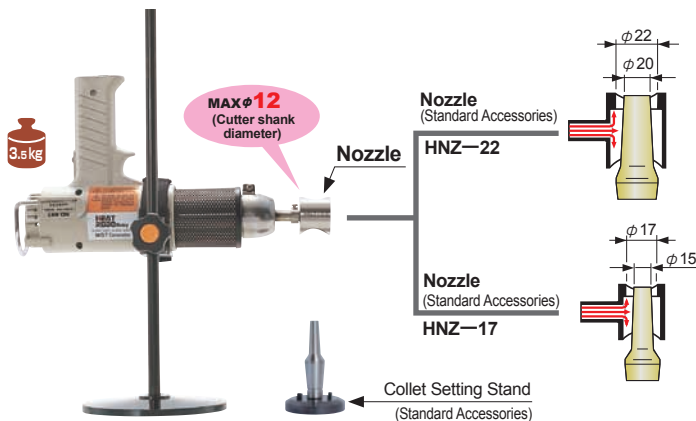


HOT AIR HEATER

100V
1kW

180 sec.
(ϕ 12collet)

Economical Simplified Model



HEAT ROBO
Baby 1000

CODE	HRB-01
VOLTAGE	AC100V
POWER SUPPLY	1000W
SIZE	W340 × D160 × W410
HEATING TIME	180SEC. (ϕ 12 collet)

- **Standard Accessories**
- Tweezers
 - Heat-resistant gloves
 - Timer
 - Collet setting stand
 - Nozzle(2pcs.)

Required !**Setup Jigs for Shrink-Fit Holders (Adapter · Base)**

The table below shows the jigs for attaching and positioning a Slimline shrink-fit holder to a shrink-fit heater. Adapters are used stand-alone or in combination with a base.

Holder		Adapter		Base	Shrink-Fit Heater Types Available for Use						
Type	Form				HRD-01	HRB-02S	HRB-03S	HRB-01			
2 PIECE MODULAR	CS(Slim type) CR(Regular type) CF(Flush type)		ADH-SLK		BAA-01		○	○	○	×	
	M10										
STRAIGHT ARBOR	ST10		M 6	BAS-01				○	○	○	○
	ST12		M 8								
	ST16/20/25		M10								
	ST32	M16	BAS-02								
	ST42	M24									
	Carbide shank ST○○C	—									
MONO SERIES	E25	ADH-HSK25		BAA-01			○	○	○	○	
	E32	—HSK32									
	A40 / A40S / E40	—HSK40									
	A50 / E50 / F63	—HSK50									
	BT40 / A63 / F63	—40									
	BT50 / A100	—50									
	15TR3	—15TR									
	RS20 / S20TR	—S20TR									
	BT30	—BT30									

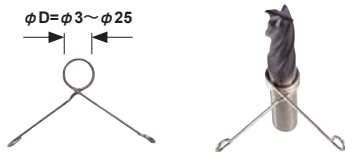
Required !**Cutter Stopper**

Used as a stopper in the holder hole when shrink fitting or removing a cutting tool.

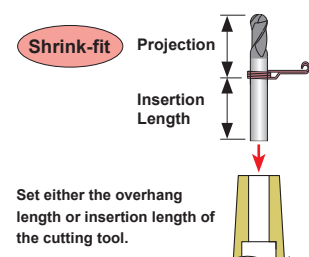
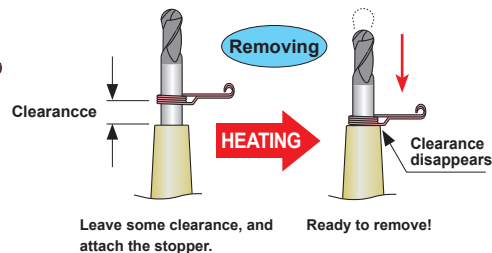
HSA type (Coil Spring Type)

CODE	D	Q'ty (1 set)
HSA-D	3, 3.175(1/8), 4, 5, 6, 7, 8, 9, 10, 11, 12, 16, 20, 25, 3/16, 1/4, 5/16, 3/8, 1/2	Contains 10 pcs. in each size
-F	3, 4, 5, 6, 7, 8, 9, 10, 11, 12	10pcs. in total with each one
-EF	3, 4, 5, 6, 8, 10, 12, 16, 20, 25	10pcs. in total with each one (in end-mill size increments)

φD = φ3 ~ φ25



• Compatible with cutting tools with a diameter of 3 to 25 mm.
Note: Cannot be used with Heat Robo Denji.

Insertion**Removing****HSB type (Plate Spring Type)**

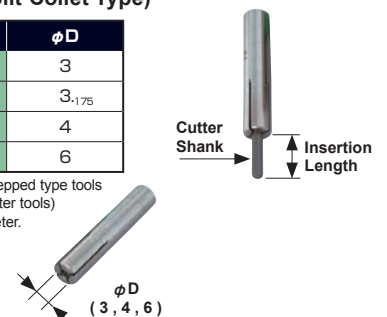
CODE	D
HSB-D	3, 3.175, 4, 6, 8, 10, 12, 16, 20, 25

• Can be firmly affixed and stabilized.

**HSC type (Slit Collet Type)**


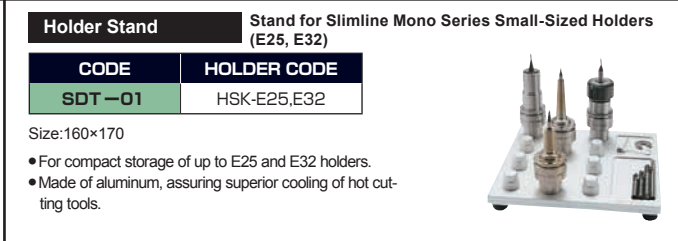

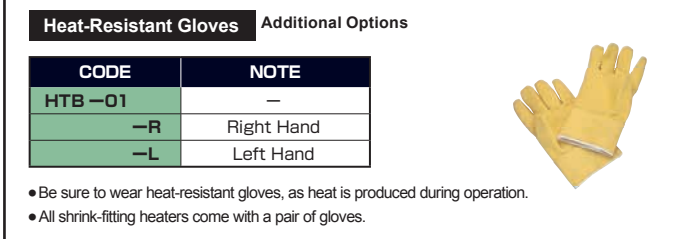
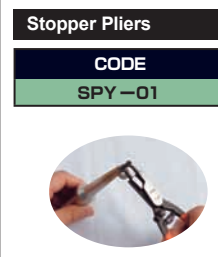
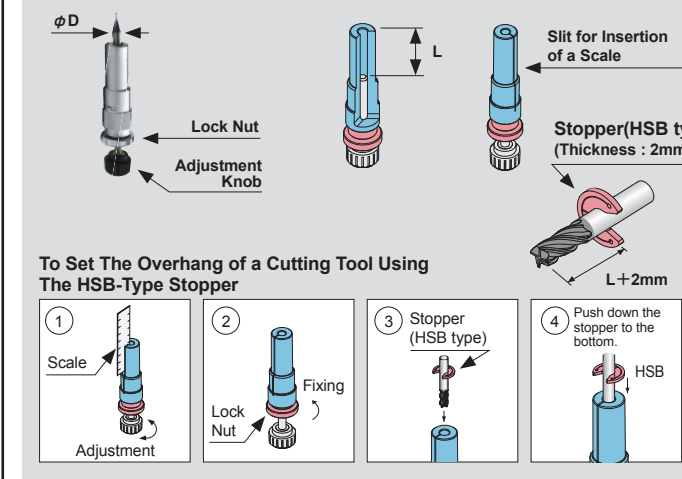
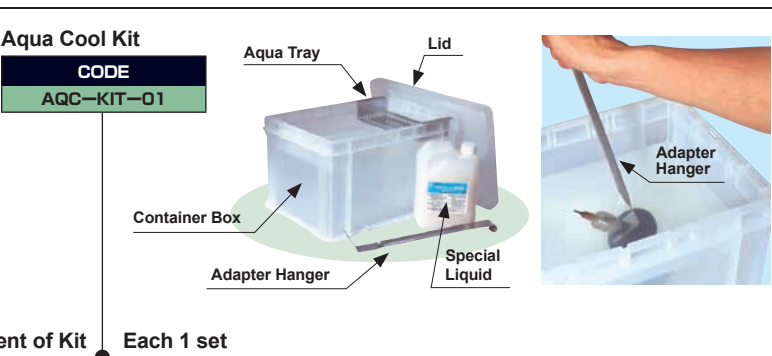



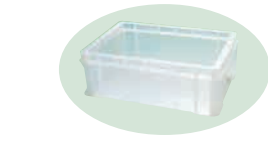
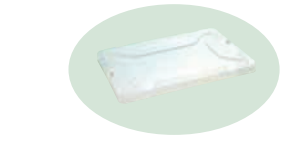
CODE	φD
HSC-3	3
-3.175	3.175
-4	4
-6	6

• Convenient for stepped type tools (non-inverse diameter tools) with a small diameter.



Useful Optional Accessories

Convenience !

Collet Stand Stand for Slimline Collets CODE SDK-01 Size:190×190 • For compact storage of Slimline collets. • Made of aluminum, assuring superior cooling for a maximum of 25 collets.		Holder Stand Stand for Slimline Mono Series Small-Sized Holders (E25, E32) <table border="1"> <tr> <th>CODE</th> <th>HOLDER CODE</th> </tr> <tr> <td>SDT-01</td> <td>HSK-E25,E32</td> </tr> </table> Size:160×170 • For compact storage of up to E25 and E32 holders. • Made of aluminum, assuring superior cooling of hot cutting tools.	CODE	HOLDER CODE	SDT-01	HSK-E25,E32																														
CODE	HOLDER CODE																																			
SDT-01	HSK-E25,E32																																			
Cutter Tray Cooling Tray for Heated Cutting Tools Immediately After Removal From Holder CODE SDH-01 Size:170×170 • Used for cooling cutting tools on the tray. • Made from aluminum.		Heat-Resistant Gloves Additional Options <table border="1"> <tr> <th>CODE</th> <th>NOTE</th> </tr> <tr> <td>HTB-01</td> <td>—</td> </tr> <tr> <td>—R</td> <td>Right Hand</td> </tr> <tr> <td>—L</td> <td>Left Hand</td> </tr> </table> • Be sure to wear heat-resistant gloves, as heat is produced during operation. • All shrink-fitting heaters come with a pair of gloves.	CODE	NOTE	HTB-01	—	—R	Right Hand	—L	Left Hand																										
CODE	NOTE																																			
HTB-01	—																																			
—R	Right Hand																																			
—L	Left Hand																																			
Cutter Pliers No gloves are required for shrink fitting and removing. (Pliers are used.) CODE HPY-01 • Cutter shanks with a diameter of 3 to 12 mm can be chucked.		Stopper Pliers Pliers for Cutter Stopper (HSB type) CODE SPY-01	Brush Set Cleaning Brush for Slimline Chucking Hole CODE AQC-BR-SET • Including diameter for 3,4,6 in each 1set																																	
Cutter Adjuster Allows you to set the overhang of a cutting tool or align the lengths of several cutting tools (Used in combination with an HSB- or HSC-type stopper)																																				
 <p>To Set The Overhang of a Cutting Tool Using The HSB-Type Stopper</p> <ol style="list-style-type: none"> 1 Scale 2 Lock Nut 3 Stopper (HSB type) 4 Push down the stopper to the bottom. 		<table border="1"> <thead> <tr> <th>CODE</th> <th>φD</th> <th>L</th> </tr> </thead> <tbody> <tr> <td>HAJ-3</td> <td>3</td> <td>10~30</td> </tr> <tr> <td>-3.175</td> <td>3.175</td> <td></td> </tr> <tr> <td>-4</td> <td>4</td> <td>13~30</td> </tr> <tr> <td>-6</td> <td>6</td> <td>19~45</td> </tr> <tr> <td>-8</td> <td>8</td> <td>25~55</td> </tr> <tr> <td>-10</td> <td>10</td> <td>31~70</td> </tr> <tr> <td>-12</td> <td>12</td> <td>31~85</td> </tr> <tr> <td>-16</td> <td>16</td> <td>33~90</td> </tr> <tr> <td>-20</td> <td>20</td> <td>41~100</td> </tr> <tr> <td>-25</td> <td>25</td> <td>46~100</td> </tr> </tbody> </table> <p>To Set The Insertion Length of a Cutting Tool Using The HSC Type Stopper</p> <ol style="list-style-type: none"> 1 2 Adjustment 3 Expose the tool tip by 2 mm or more 4 Cover the tool tip with the stopper 		CODE	φD	L	HAJ-3	3	10~30	-3.175	3.175		-4	4	13~30	-6	6	19~45	-8	8	25~55	-10	10	31~70	-12	12	31~85	-16	16	33~90	-20	20	41~100	-25	25	46~100
CODE	φD	L																																		
HAJ-3	3	10~30																																		
-3.175	3.175																																			
-4	4	13~30																																		
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-16	16	33~90																																		
-20	20	41~100																																		
-25	25	46~100																																		
Aqua Cool Kit Handy Water-Cooling Kit for Cooling Slimline Holders After Shrink Fitting or Removing 1. Reducing The Cooling Time Finishes in just 10 seconds. 2. Safety Allows you to water-cool a heated holder together with its adapter. 3. Anti-rust Effect Anti-rust treatment provides long-term rust prevention. 4. Cleaning Effect Can also be used to clean grease and dirt.		Aqua Cool Kit CODE AQC-KIT-01  <p>Content of Kit Each 1 set</p>																																		
Special Liquid CODE AQC-EK-01-2  • Including 2l of Undiluted Solution • Use at a dilution ratio of 3%.	Aqua Tray CODE AQC-AT-01  (Drainer Plate)	Adapter Hanger CODE AQC-AH-01 	Container Box CODE CN-245 	Lid for Container Box CODE CN-FT 																																

Tool Holder Storing Cabinet

Storage Box for Shrink-Fit Holders Used in
Small-Sized High-Speed Machining Centers

Compact Storage Box with Anti-Rust Treatment for Slimline Shrink-Fit Holders

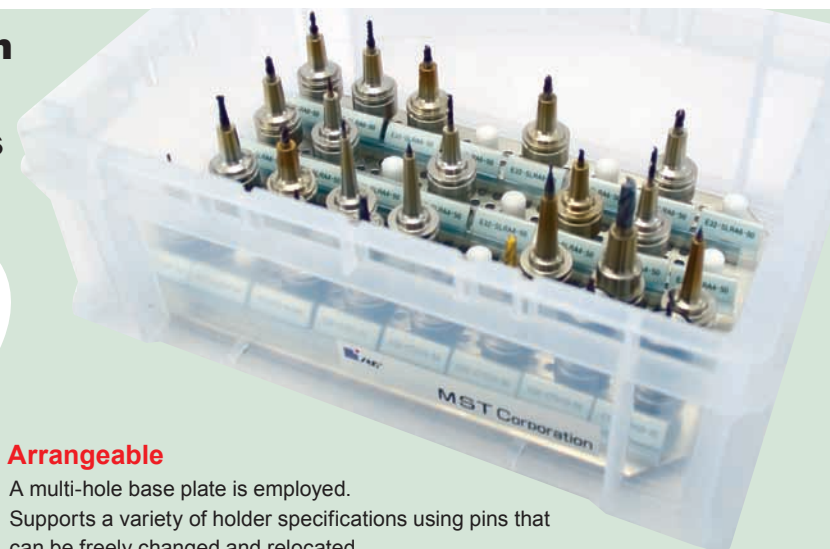
Compatible with a
Variety of Holders

Holder code
HSK—A40
HSK—A50
HSK—E25
HSK—E32
HSK—E40
HSK—E50 , F63
15T (BROTHER)
20T (SUGINO)

Transparent



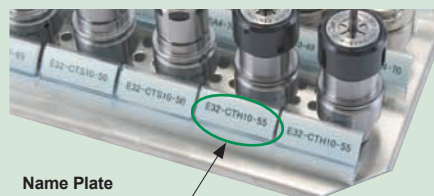
case!!



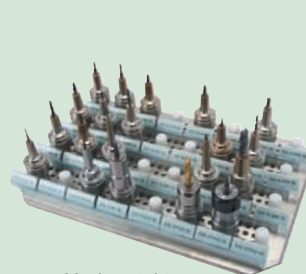
Arrangeable

A multi-hole base plate is employed.
Supports a variety of holder specifications using pins that
can be freely changed and relocated.

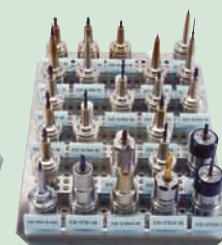
Orderly storing with name plate!



- Maximum number of holders that
can be stored: 40
(standard: 32) (HSK-E25/32)
- The direction of the box can be
freely changed to horizontal or
vertical depending on the intended
use.



Horizontal type

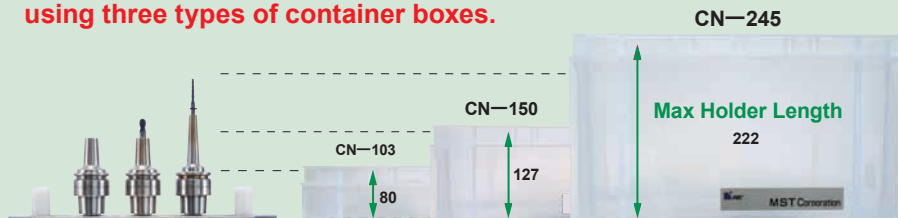


Vertical type

Piling Cabinets



Holdings with different lengths can be stored using three types of container boxes.



Standard Set

CODE	Container Box	Max. Q'ty	Number of pins supplied
HSK—A40	HBX—A40	24	18
—A50	—A50	15	15
—E25	—E25	40	32
—E32	—E32		
—E40	—E40	24	18
—E50	—E50	15	15
—F63	—F63	10	
15T (BROTHER)	—15T	40	16
20T (SUGINO)	—20T		

■ Contents of set ● Base plate ● Container box ● Pin

Lid for Container Box

CODE
CN—FT

