

▼ AIR TURBINE SPINDLE

# HTS Series



Max. 150,000min<sup>-1</sup> (0.5MPa )

Max. Power 25W



Air Turbine Spindle  
HTS1501S-BT40



## Negligible spindle expansion

- Air Turbine mechanism has extremely low heat generation.
- Up to cutting tool R x 0.1 depth of cut is possible.

## Highly stable milling conditions are possible even with very small diameter cutting tools

- Usable max. cutting tool diameter :  
Ball End Mill R0.5, Square End Mill ø1

Spindle Runout :  
Within 1 μm

Collet :  
Max. ø4.0mm

Collet  
CHA-4.0

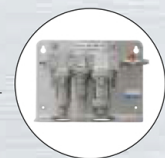
OPTION → Refer to **P.5**

\*Other collet sizes are available.

## Dramatically shorten mold cavity machining time

Air Line Kit  
AL-M1202

OPTION → Refer to **P.5**



### HTS Series Connection Drawing

Clean, lubricated, and regulated air is required for HTS Series spindles. Please refer to the diagram to the right for proper connections. AL-M1202 incorporates a filter, regulator and lubricator to provide the appropriate air.



### ⚠ Caution

- Do not rotate the machining center's main spindle with the HTS1501 spindle installed.