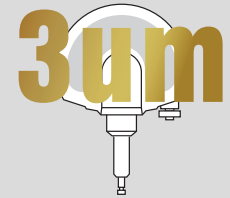




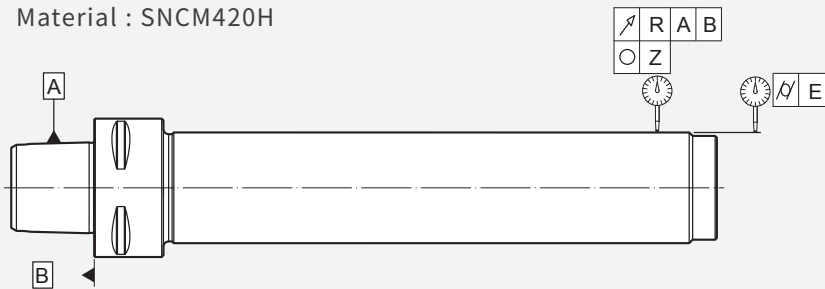
SPINDLE MASTER BAR

PRECISION TYPE



Regular inspection of machine spindles is an extremely important step to realize high precision machining!

Material : SNCM420H



TAPER SHANK PRECISION	AT2
ROUNDNESS	0.8 μ m
SURFACE ROUGHNESS	Ra < 0.15 μ m
RUNOUT ACCURACY	3 μ m
CYLINDRICAL	5 μ m

100% GUARANTEED PRECISION:

Every spindle master bar is inspected with high precision instrument and delivered with an inspection report. 100% quality guaranteed !

Perthometer M1
Object Name

Lt 5.600 mm
Ls Standard 2.5 μ m
Lc 0.800 mm
Ra 0.095 μ m
Rz 0.81 μ m
Rmax 0.92 μ m

SYIC

Inspection Report

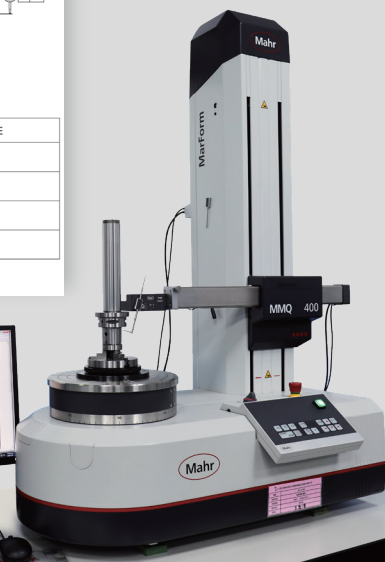
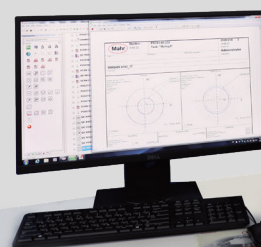
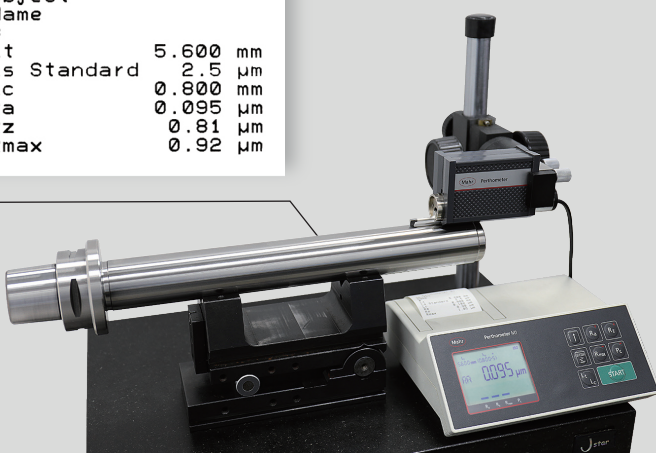
MODEL NO :
COMMODITY :
TYPE :

SYIC doesn't sell products on the internet

Unit : mm

ITEM EXAMINED	APPROVED TOLERANCE	TEST VALUE
R		
Z		
E		
Surface roughness		

Operator: DATE:



■ What are the benefits of using Spindle Master Bar?



- 1 Optimal for checking machine spindle runout accuracy.
- 2 Checking spindle accuracy maximizes tool holder performance and increases productivity.
- 3 Ensures the machining precision and prolong the tool life.
- 4 Helps detect potential problems of spindle and saves downtime and costly repair cost.

Tool Holder Performance ↑

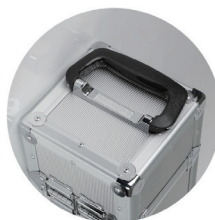
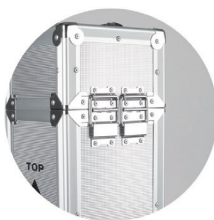
Tool Life ↑

Machining Productivity ↑

■ Recommendation of storage:

It's recommended to store in stock vertically to prevent deformation.

Every spindle master bar is delivered with an aluminum box for vertical storage.

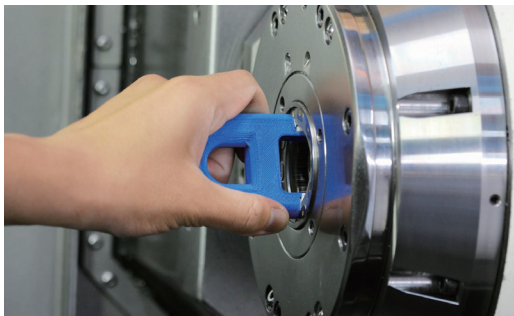




WATCH MORE

How to measure spindle run-out accuracy using Spindle Master Bar?

STEP 1



Clean the machine spindle.

STEP 2



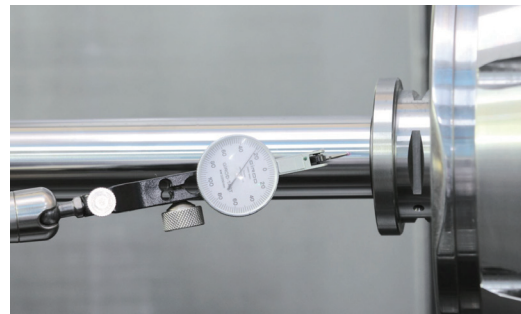
Wipe down the taper of spindle master bar.

STEP 3



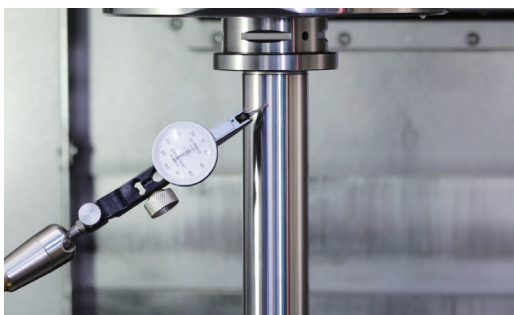
After loading the spindle master bar into spindle, wipe down the straight shank.

STEP 4



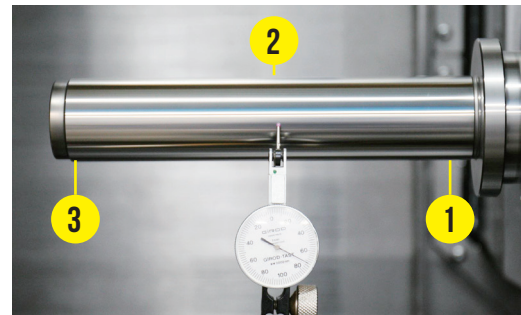
Measure parallel accuracy of spindle on datum of shank top.

STEP 5



Measure vertical accuracy of spindle on datum of shank top.

STEP 6



Measure the run-out of three parts of shank top, middle and bottom.