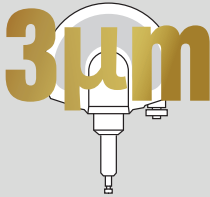




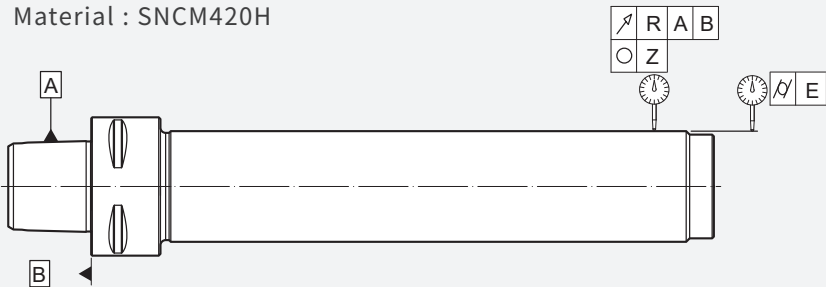
SPINDLE MASTER BAR

PRECISION TYPE



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

Material : SNCM420H



TAPER SHANK PRECISION	AT2
ROUNDNESS	1μm
SURFACE ROUGHNESS	Ra < 0.15μm
RUNOUT ACCURACY	3μm
CYLINDRICITY	5μm

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 μm
Lc	0.800 mm
Ra	0.095 μm
Rz	0.81 μm
Rmax	0.92 μm

SYIC Inspection Report

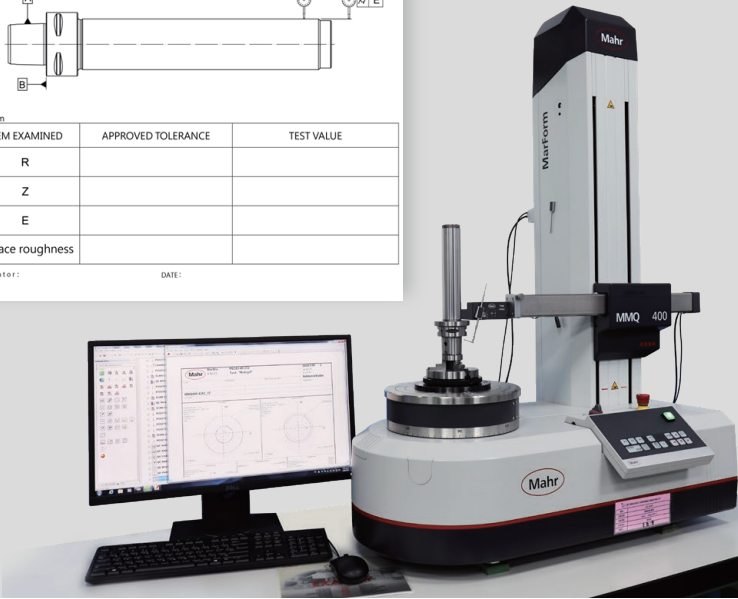
MODEL NO :
COMMODITY :
T Y P E :

SYIC doesn't sell products on the internet

Unit : mm

ITEM EXAMINED	APPROVED TOLERANCE	TEST VALUE
R		
Z		
E		
Surface roughness		

Operator: DATE:



心源工業股份有限公司
SHIN-YAIN INDUSTRIAL CO., LTD.

43644 台中市清水區菁埔路198號
NO.198, Jingpu Rd., Qingshui Dist,
Taichung City 436, Taiwan

Tel: +886-4-26237575
Fax: +886-4-26237676
E-mail: sales@syic.com



www.syic.com



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.

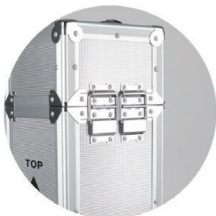
Tool Holder Performance ↑

Tool Life ↑

Machining Productivity ↑

Recommendation of storage:

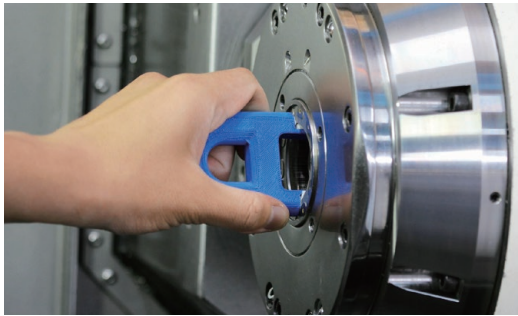
It's recommended to store in stock vertically to prevent deformation.
Every spindle master bar is delivered with an aluminum box for vertical storage.





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

STEP 1



Clean the machine spindle.

STEP 2



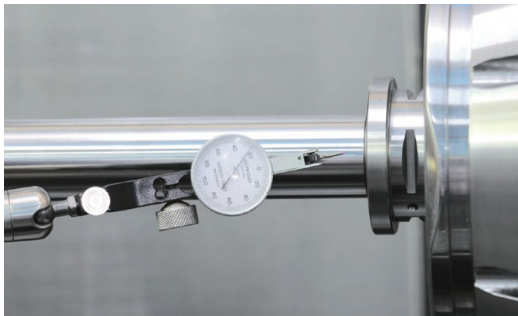
Wipe down the taper of spindle master bar.

STEP 3



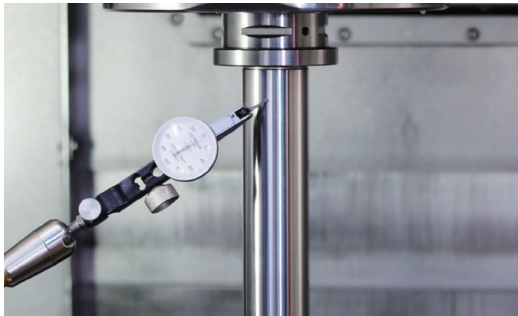
After loading the spindle mater bar into spindle, wipe down the straight shank.

STEP 4



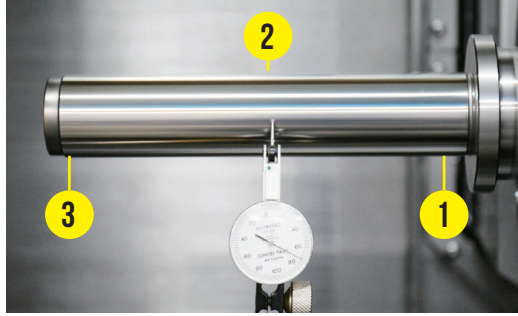
Measure parallel accuracy of spindle on datum of shank top.

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.

