



Enabling Your Ideas

Certificate of Inspection

Tormach RapidTurn™

Serial Number:

Made in China

Tormach Inc.
1071 Uniek Drive, Waunakee, WI 53597
Phone: 608.849.8381 / Fax: 209.885.4534

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TD10392_RapidTurn_CertInspect_0117A



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Part A: Certification

Machinery Certification

Title	Seal or Signature ¹	Date
Inspection Director		
Inspector		
Tormach QA Representative		

¹The above signatures certify this machine has passed all precision-inspection requirements and is approved for delivery. See attached inspection documentation.



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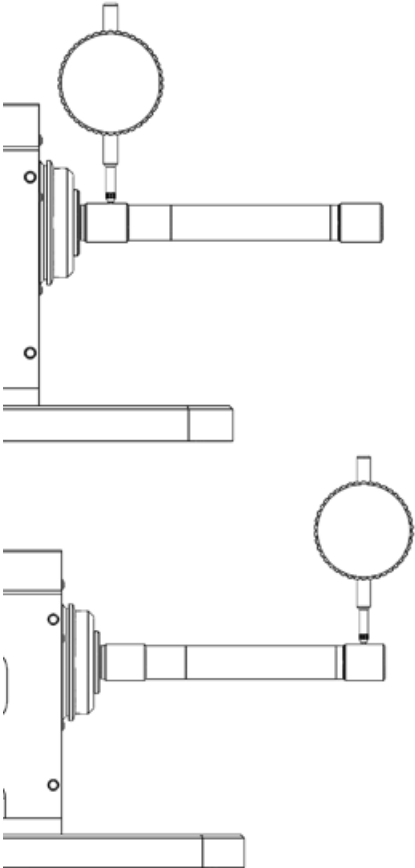
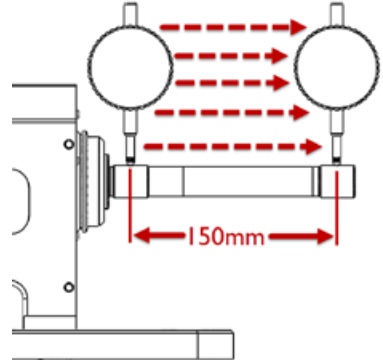
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Part B: Quality Detail

QA I: Precision Inspection

No.	Inspection Sketch	Inspection Item	Allowable Error (mm)	Actual (mm)
G0		Runout at spindle end a. Axial play of the spindle	a. 0.03	
		b. Radial runout of the spindle OD	b. 0.03	
		c. Radial runout of the ID taper of the spindle	c. 0.01	
		d. Radial runout of the ID back bearing surface of the spindle	d. 0.01	

QA I: Precision Inspection

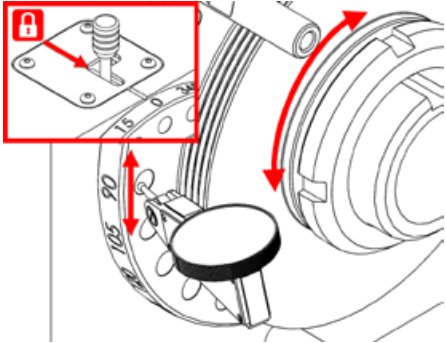
No.	Inspection Sketch	Inspection Item	Allowable Error (mm)	Actual (mm)
G1		<p>Total radial runout of spindle axis (5C taper)</p> <p>a. Runout 10 mm from spindle nose</p> <p>b. Runout 160 mm from spindle nose</p>	<p>a. 0.01</p> <p>b. 0.04</p>	
G2		<p>Spindle parallelism relative to surface plate</p>	<p>0.10 over 150</p>	



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QA I: Precision Inspection

No.	Inspection Sketch	Inspection Item	Allowable Error (mm)	Actual (mm)
G3		Motion while locked	0.06	



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QA 2: Function/Appearance

No.	Test Name	Description	Completed
T1	Spindle Direction	Spindle spins counterclockwise	
T2	Spindle Proximity Switch	Check for function	
T3	Smooth Operation	Spindle operates smoothly; no unusual noise or vibration; bearing temperature nominal	
T4	Spindle Seal Installation	Spindle seal has been installed in correct location; spindle seal does not bind or excessively heat/wear during operation	
T5	Safety Signage	Safety sign is installed in correct location	
T6	Decal Signage	Decals are installed in correct locations	
T7	Paint Quality	Paint meets appearance requirements	



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QA 3: Packing List

No.	Name	Quantity	PN
1	RapidTurn Assembly	1	32901
2	Draw Tube Assembly	1	37127
3	Chip Shield	1	32914
4	1/2"-13 Threaded Stud	3	37126
5	1/2"-13 Flanged Nut	3	31958
6	5/8" T-Nut	3	31957
7	Hand Wheel Tightening Pin	1	37232
8	Spindle Nose Spanner Wrench	1	37519