

**FSS 5, Attachment 3: CHECKLIST for Tooling Machines  
Floor stand grinder**



Issue Date: 2009-03-30, Rev. 1

**I. Nature of the inspection**

- First inspection                       Follow-up inspection

Job No.
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**II. Details of the machine:**

\_\_\_\_\_ In-house system designation

	Designation	Type	Ser. No.	Year of construction	Manufacturer/Supplier	Site
1.						
2.						
3.						

**III. Information concerning the scope of the inspection**

The inspection was carried out in accordance with the checklist for Tooling Machines, dated 2007-12-10.

**IV. Inspection results**

- The machine / system complies with the with the current FSS 5 checklist.
- The machine / system does **not meet every requirement** of the FSS 5 checklist. However, the machine / system may be used as the functions concerned are **not critical** in terms of safety.
- The machine/ system does **not** comply with the with the current FSS 5 checklist.
- The machine / system will be upgraded.  
Initial cost estimate: \_\_\_\_\_ Deadline: \_\_\_\_\_  
Follow-up inspection required!
- The machine / system will be removed from service by \_\_\_\_\_ at the latest.  
Until this time, technical and / or organizational measures have been implemented to ensure safe operation, as laid down in the attachment.
- Date of next regular inspection: \_\_\_\_\_.

**V. Distribution list**

Responsible person for corrections and improvements:

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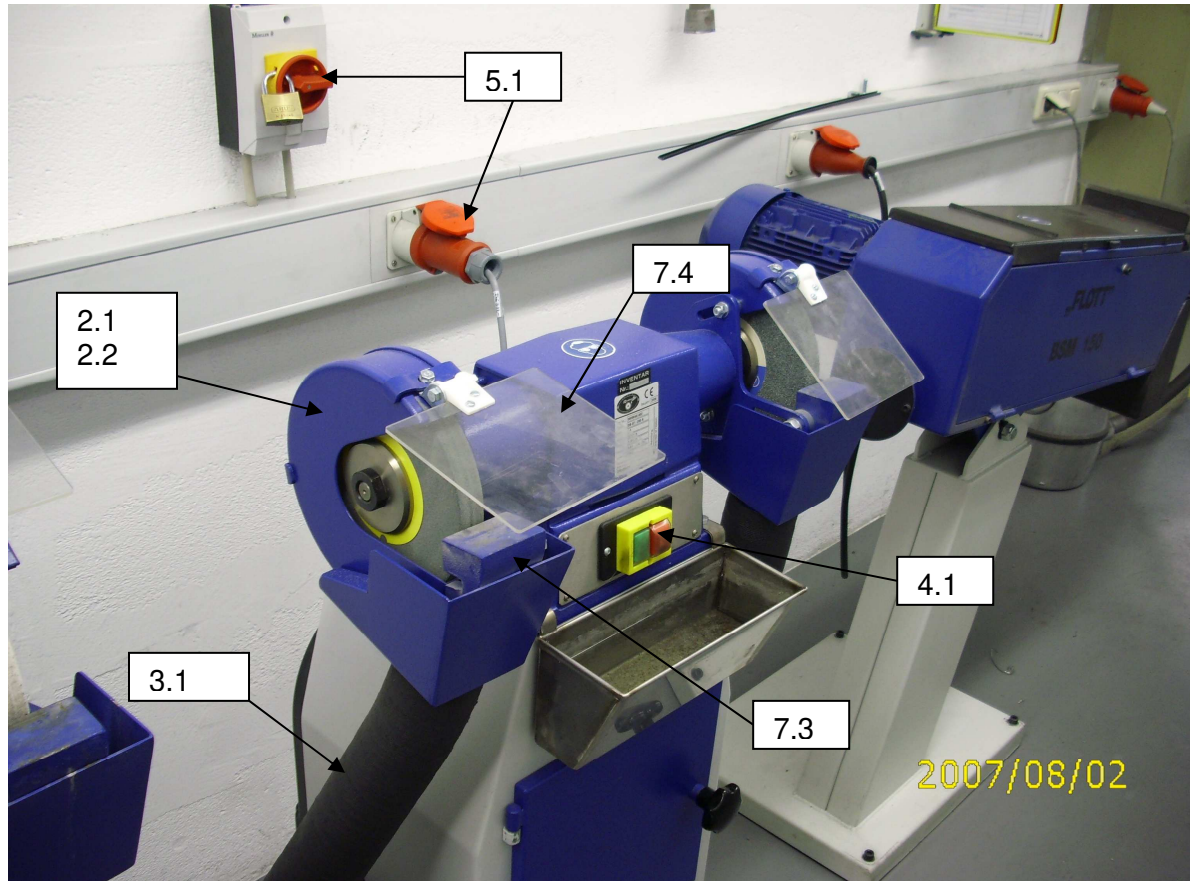
Responsible person for documentation and files:

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**VI. Inspection performance**

	Mechanical part	Electrical part	Production	Others
Name				
Date				
Signature				

Machine / system designation _____	Check	Irrelevant	OK	Not OK	References	Remarks
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Check		Irrelevant	OK	Not OK	References	Remarks
Machine / system designation _____						
<b>1.</b>	<b>Operating manual, circuit diagrams, technical data sheets</b>					
1.1	Is an operating manual available for the machine?					
1.2	Are work instructions including safety advices available?					
<b>2.</b>	<b>General condition of the machine / system</b> <u>Visual inspection; enclosures; barriers; cables; hoses; lines</u>					
2.1	Have all enclosures and barriers been secured in a suitable manner and to an adequate extent (with safety bolts where necessary)? Grinding wheels min. 75 % enclosed (to the side as well)					
2.2	Are all enclosures and barriers in faultless condition?					
2.3	Has the machine been installed and secured in accordance with the manufacturer's instructions and to withstand the normal loads and stresses encountered in operational service?					
<b>3.</b>	<b>Hazards caused by gas, vapor, mist, liquid and dust</b> <u>Visual inspection, working zone analysis, test record</u>					
3.1	Have facilities been provided to restrain or extract dust (where necessary)?					
<b>4.</b>	<b>Command facilities</b> <u>Visual inspection and function test</u>					
4.1	Are the command facilities clearly recognizable as such and are their functions easily distinguishable?					
<b>5.</b>	<b>Shutting the machine / system down (switching off)</b> <u>Function test; checking with reference to circuit documents and operating instructions</u>					
5.1	Is there a master switch to turn the <u>complete</u> machine on and off and can this switch be secured with at least 3 locks? Or appropriate fuse protection for the connector					



Check Machine / system designation _____		Irrelevant	OK	Not OK	References	Remarks
<b>6.</b>	<b>Lighting</b> <u>Visual inspection; measurement</u>					
6.1	Are the <u>working zones</u> adequately illuminated for the work performed in them?					
<b>7.</b>	<b>Using equipment and facilities</b> <u>Visual inspection; checking with reference to the operating manual and the instructions for use</u>					
7.1	Is the equipment solely used for the intended purpose specified by the manufacturer?					
7.2	Does the maximum allowed speed of the grinding disk match the speed of the motor? ( $n_{\text{Disk}} > n_{\text{Motor}}$ )					
7.3	Is there a material support? / Is the clearance correct (max. 3 mm)?					
7.4	Is there an adjustable and robust spark protection shield?					
<b>8.</b>	<b>Preventive and corrective maintenance work, cleaning</b> <u>Checking with reference to the operating manual, the instructions for use and the maintenance schedule</u>				<b>Refer to FSS 1</b>	
<b>9.</b>	<b>Identification markings</b> <u>Visual inspection</u>					
9.1	Does the machine bear the necessary safety identification markings and hazard warnings specified according to the statutory requirements in the country of use?					
<b>10.</b>	<b>Contact with electric current</b> <u>Visual inspection and function test, checking with reference to the operating manual, measurement</u>					
10.1	Does the equipment offer the employee protection against <u>direct</u> contact with electric current?					



	Check Machine / system designation _____	Irrelevant	OK	Not OK	References	Remarks
10.2	Does the equipment offer the employee protection against <u>indirect</u> contact with electric current?					