

## Vollmer PM Program Benefits



Normal wear & tear can lead to breakdown if left unmaintained. Breakdowns result in downtime waiting on knowledge, troubleshooting, parts and repairs. All costs associated with failure and repair can be reduced through proper preventative maintenance.

- **Increased quality**
- **Increased production**
- **Able to plan time and funds for repairs**
- **Decreased system downtime**
- **Decreased cost of repair**
- **Experienced Service Technician**
- **And many, many more!!!**



For further information please contact:

**Kevin Finn**  
**PM Coordinator**  
VOLLMER OF AMERICA CORP.  
105 Broadway Ave.,  
Carnegie, PA 15106 U.S.A.  
Mobile: 412-805-0433  
[finn@vollmer-us.com](mailto:finn@vollmer-us.com)  
[www.vollmer-us.com](http://www.vollmer-us.com)

Or any Vollmer representative  
Phone: 412-278-0655

**Thank you for your interest in  
Vollmer Technology & Service.**



## **Preventative Maintenance Program**



**Would you like...**

- ✓ **Peak Performance**
- ✓ **Scheduled Downtime**
- ✓ **Lower Service Costs**

VOLLMER OF AMERICA CORP.

## Example: PM Inspection Machine Report

### Vollmer PM Inspection - Scope of Service



#### Inspection includes:

- Factory trained Vollmer Service Technician
- Inspection, evaluation & adjustment of:
  - All axes zero points, alignment and backlash
  - All belts, mechanical drives and guides
  - Seals
  - All safety devices & enclosure
  - Power supply
  - Grinding spindle
  - Coolant/dielectric supply systems
  - Lubrication system
  - Pneumatic system
  - Hydraulic system
  - Electronic controls – circuitry and switching
  - Blade mounting
  - Blade clamping
  - Measuring system
  - Feed & Feed Pawl
  - Extraction device
  - Mechanical attachments – ex. Hollow-face device, Chip-breaker device, etc.
  - Dressing units
  - Wire guide devices – PCD wire erosion machines
  - Generator unit – PCD erosion machines
  - Chiller unit – PCD erosion machines
- Answering of any questions; application, operation or mechanical
- Recommendations for possible improvements for machinery and operation
- Information on predicted future maintenance, rebuilds, or replacements for planning purposes
- Detailed report of inspections, evaluations, adjustments & maintenance actions; kept on file for reference or potential resale of machine

<b>VOLLMER</b>		Machine No.	
<b>Maintenance Checklist CHF270</b>		<b>144</b>	
<b>Type: CHF270</b>		<b>Customer: Your Company Name Here</b>	
<b>Date: 00/00/00</b>		<b>Year: 2004</b>	
<b>Name of Service Technician: John Doe</b>		<b>Hours:</b>	
No.	Unit	Results	Appraisal
1	R-Axis	<input type="radio"/> Pass <input checked="" type="radio"/> Fail % <u>15</u>	Tolerance not severe enough to require action yet. Air cylinder sticking and making noise; should be replaced – VOA P/N X285890.
2	X1-Axis	<input checked="" type="radio"/> Pass <input type="radio"/> Fail %	Tight
3	X2-Axis	<input checked="" type="radio"/> Pass <input type="radio"/> Fail %	Very tight
4	Z- Axis	<input type="radio"/> Pass <input checked="" type="radio"/> Fail % <u>XXX</u> Out of tolerance	Grinding stroke severely out of tolerance; 1.5mm of play present in axis. Standard Service required; will provide quote for possible parts and time needed to repair.
5	Y- Axis	<input type="radio"/> Pass <input checked="" type="radio"/> Fail % <u>390</u> Out of tolerance	Grinding head vertical movement severely out of tolerance; Standard Service required; will provide quote for possible parts and time needed to repair.
6	Saw carrier	<input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor	
7	Feed (V & W axes)	<input checked="" type="radio"/> Pass <input type="radio"/> Fail %	Very tight
8	Feed pawl	<input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor	
9	Grinding sleeves	<input checked="" type="radio"/> Pass <input type="radio"/> Fail % X1 <u>5um</u> Radial <u>10um</u> Axial X2 <u>3um</u> Radial <u>12um</u> Axial	Front & rear axial run-out slightly higher than tolerance; not enough to require action, but possibly replacement in future. VOA P/N XCHF418872-01 – Grinding Sleeve. Otherwise, radial run outs very tight.
10	Belt drive sleeves	<input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor	
11	Measuring system	<input checked="" type="radio"/> Pass <input type="radio"/> Fail %	Inconsistent; probably due to play in Z & Y axes.
12	Plate clamping	<input type="radio"/> Good <input checked="" type="radio"/> Fair <input type="radio"/> Poor	Air cylinder sticking and making noise should be replaced now or in near future – VOA P/N XCHF414435.
13	Lubrication	<input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor	
14	Pneumatic unit	<input type="radio"/> Good <input checked="" type="radio"/> Fair <input type="radio"/> Poor	Filter requires cleaning.
15	Cooling agent	<input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor	
16	Extraction device	<input type="radio"/> Good <input type="radio"/> Fair <input checked="" type="radio"/> Poor	Not able to be used at present time; mist is extracted in to work environment. Filters require cleaning & replacing. Two (2) steel filters should be able to be cleaned. The fabric filter in plastic casket should be replaced; XFILTER/287884.