

# E.W.Bowman Audit Sheet

Shop# :		Contact:		Phone # :	
Date:		Audit By:		Address:	
Customer:		Location:			
LehrType:		Serial # :			

## Basic Lehr Information

## Gas

Length of Lehr:		Heating Zones:		Roots Meter Reading
Length of Tunnel:		Cooling Zones:		Start of Audit:
Length of Zones:		Heat/Cool Zones:		End of Audit:
Width of Zones:		Updraft Zones:		Total:
Length of Ch Table:		Down Draft Zones:		Incoming PSI:
Length of Pack Table:		Belt Height:		Comments:
Belt Return		Belt Width:		Units:
Recirc. Fans:		Tunnel Height:		Multiplier:
Main Voltage:		Color:		See Page # 3 for
Secondary Voltage:		Frequency Hz:		Electric Lehrs

Obtain as many drawings as possible from customer for reference:  
If it is a Bowman lehr Service Rep. should take an A drawing, Pipe drawing and Wiring drawing for reference.  
If there are discrepancies to the drawings please make notes on them.

Comments:	

## Production Data

Bottom Thickness:		Lehr Operating At Time Of Audit:		Type of glass ware:
Loading Patterns:		Product Per Minute:		Belt Speed:
Diameter of Product:		Height of Product:		

Comments:	

### Motor Control Center

Type / Manufacture:

Comments:

### Instrument Control:

Instrument Type / Manufacture:

Part No.

Comments:

### High Temperature

Type / Manufacture:

No. Zones:

Part No.

Voltage:

Comments:

### Fan Loss / Safety

Type / Manufacture:

No. Zones:

Part No.

Voltage:

Comments

### Control Motors

Type / Manufacture:

Type / Manufacture:

Part No. -- Burners

Part No. Ex. Vents:

Comments:

### Recirculating Fan Motors

Zone No.	Type / Manufacture	Part No.	Full Load Amps.	Service Factor
#1				
#2				
#3				
#4				
#5				
#6				
#7				
#8				
#9				
#10				

Comments:

### Electric Elements

Read All elements At 100% Output / SCR or Contactor Engaged

Zone No.	Kw - Left Side	Kw - Right Side	Amps - A	Amps - B	Amps - C
#1					
#2					
#3					
#4					
#5					
#6					
#7					
#8					

Comments:


**Variable Frequency Drives / Inverters**

Drive		Cooling Fans / Fan Racks	
Type / Manufacture:		Type / Manufacture:	
Part No.		Part No.	

Comments:


**Transformer**

480 - Volt Amperage into Transformer:	While Operating:	
120 - Volt Secondary amperage out of Transformer:	While Operating:	

**Engineering would like the Electrical Panel Doors opened and Pictures taken when Possible**

**Heating Type**

Gas Burners		Radiant Tube		Other
Hauck Package		Hauck Package		
Midco - A		Hauck Tube		
Midco - B		Eclipse Tube		
Eclipse Package				
Riello				
Eclipse Air Ratio				

Comments:


**Drive Information and Condition**

Basic Information			Drive Control		Start / Stop		E - Stop
Part No.	Condition	Inverter	Piv	Local	Remote	Yes / No	
Reducer:							
Motor:							
Drive Sprocket:							
Reducer Sprocket:							
Chain:							

Comments:


**Recirculating Fans**

Sheave / Motor	Sheave / Fan	Bearing / top	Bearing / Bottom	V - Belts
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Zone #	Part #	Condition	Part #	Condition	Part #	Condition	Part #	Condition	Part #	Condition
#1										
#2										
#3										
#4										
#5										
#6										
#7										
#8										
#9										
#10										

Comments:

### Fast Cooling Information and Condition

Basic Information		Drive Control	Start / Stop	E - Stop
Part #	Condition	Inverter / Direct	Local / Remote	Yes / No
Manual Starters				
Sheaves				
V/Belts				

Comments:

### Packing Table information and Condition

	Flat Bar	Side Rails	Frame Material	Distance from Tunnel
Condition				
			Spray Slot	
			Fast Cooling	

Comments:

### Roll Inspection and Condition

Roll Name	Roll Diameter	Tubing Thickness	Belt Surface	Stub End Length	Stub End Diameter	Condition
Bottom Charge Roll						
Top Charge Roll						
Top Discharge Roll						
Drive Roll						
Snub Roll						
4" Return Roll						
3" Return Roll						
2" Return Roll						
Take-up Roll						
Fixed Take-up Roll						
Adjust. Return Roll						

Comments:

### Skid Frame Inspection / Condition

Zone #	Flat Bar / Condition	Side Rails / Condition	Distance Between Frames	Frame Material
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#1				
#2				
#3				
#4				
#5				
#6				
#7				
#8				
#9				
#10				
#11				
#12				
#13				
#14				
#15				

Comments:


**Lehr Belt Information**

<b>Wire Diameter</b>		<b>Weave</b>	<b>Edge Condition</b>
Flat		Tracking Performance	Approxamate Age
Round		Alloy	Camber

Comments:


**Duct inspection / Condition**

Zone #	Top Duct / Condition	Down Duct / Condition	Top Hat / Condition	Duct Material
#1				
#2				
#3				
#4				
#5				
#6				
#7				
#8				
#9				
#10				
#11				
#12				
#13				
#14				
#15				

Comments:


**Required or suggested repair /replacement**

- 1)
- 2)
- 3)
- 4)

- 5)
- 6)
- 7)
- 8)
- 9)
- 10)
- 11)
- 12)
- 13)
- 14)
- 15)
- 16)
- 17)
- 18)