



LEYBOLD OPTICS

## **Balzers BAK-1050**



### **Electron Beam VACUUM COATING CHAMBERS WITH PUMPING SYSTEM**

**SOLD AS SEEN**

**BUDGETARY PRICE: - 75,000 Euro**

**SYSTEM: BAK 1050**

**ORIGINAL SPEC. No.: 54.009/148/LL**

**YEAR OF MANUFACTURE: Unknown (1970-80)**

**ORIGINAL SPECIFICATION NUMBER: 54.009 / 148 / LL**

Item	Qty.	Description	Remarks	Action
1	1	<b><u>Basic Vacuum Equipment</u></b>		
1.1		<p>Consists of the Following;</p> <ul style="list-style-type: none"> <li>• <u>Stainless steel chamber</u> <ul style="list-style-type: none"> <li>- 1000 mm Width x 1000 mm Depth</li> <li>1000mm Height</li> <li>- Stainless Steel Chamber with internal protection pieces.</li> <li>- External Water cooling</li> </ul> </li> <li>• <u>Front door for Loading</u> <ul style="list-style-type: none"> <li>- Four view port windows</li> </ul> </li> <li>• <u>Framework.</u> <ul style="list-style-type: none"> <li>- With front door and side cover.</li> <li>- 1 Colours: Grey / RAL 7035</li> </ul> </li> <li>• <u>Pumping system</u> <ul style="list-style-type: none"> <li>- <u>Rotary vane Pump</u> Leybold DUO170</li> <li>- <u>Roots Pump</u> Leybold WKP1000</li> <li>- <u>Diffusion Pump</u> DIF630A.</li> <li>- <u>Pumping Port</u> Mounted on the back of the chamber.</li> <li>- <u>High vacuum Plate valve</u> Electro–pneumatically operated</li> </ul> <p>Plate valve type.</p> <ul style="list-style-type: none"> <li>- <u>Cold Trap</u> Cold trap baffle between diffusion Pump and chamber operated with Polycold PFA 630MF</li> </ul> </li> <li>• <u>Vacuum Valves</u> <ul style="list-style-type: none"> <li>- Roughing valve – V2 – EVA 160</li> <li>- Bypass valve - V3 – EVA 160</li> <li>- Vent valve - V4 - EVA 040</li> </ul> </li> <li>- <u>Meissner Panel</u></li> </ul>		

Item	Qty	Description	Remarks	Action
2.		<b><u>Electrical control system</u></b>		
2.1		<ul style="list-style-type: none"> <li>• <u>Electrical control rack</u></li> <li>- <u>None</u></li> </ul>		Please ask for quote.
2.2		<ul style="list-style-type: none"> <li>• <u>Vacuum controller</u></li> <li>- <u>None</u></li> </ul>		Please ask for quote.
2.3		<ul style="list-style-type: none"> <li>• <u>Vacuum Measuring Instruments</u></li> <li>- Various gauges supplied but all are in an unknown condition</li> </ul>		Please ask for quote.
2.4		<ul style="list-style-type: none"> <li>• <u>Rear Surface heaters</u></li> <li>- 1 set of rear surface heaters</li> </ul>		
2.5		<ul style="list-style-type: none"> <li>• <u>Evaporator Equipment</u></li> <li>- Various components supplied but all are in an unknown condition</li> </ul>		Please ask for quote.
3.		<b><u>Substrate holder.</u></b>		
3.1	1 off	<ul style="list-style-type: none"> <li>• <b><u>Substrate Rotation</u></b></li> <li>- Cage rotation has Motor and a vacuum feed through.</li> </ul>		
3.2	1 off	<ul style="list-style-type: none"> <li>• <u>Substrate – Carrier</u></li> <li>- 10 segment positions. 1000mm diameter. Can hold up to 20-0 50 mm pieces approximately.</li> </ul>		
4		<b><u>Documentation</u></b>		
4.1	1	<ul style="list-style-type: none"> <li>• <u>Technical Documentation</u></li> <li>- <u>None</u></li> </ul>		
5		<b><u>Installation And delivery</u></b>		
5.1		<ul style="list-style-type: none"> <li>• EX WORKS Manchester UK</li> </ul>		
		<ul style="list-style-type: none"> <li>• <u>Installation and delivery</u></li> </ul>		Please ask for quote.
6		<b><u>Equipment Service and Upgrade requirements</u></b>		Please ask for quote.

**Process Chamber.**



**Vacuum Pumps**

