

# TECHNICAL BULLETIN

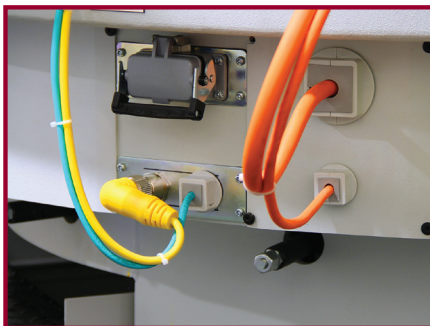
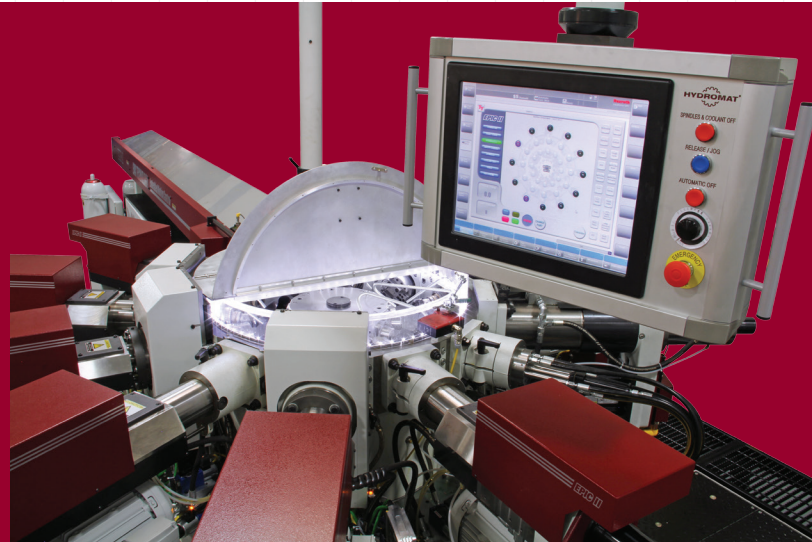
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## **EPIC II**

### **NEW TECHNOLOGY: EPIC II**

This second iteration of the EPIC platform boasts advancements such as enhanced operations, production reporting, down time analysis, trouble shooting and preventative maintenance interval scheduling. These features, among others, will yield improved part set-ups, changeovers, process-tooling development and integrated tool monitoring. An upgraded servo control features absolute positioning, and a more efficient architecture that reduces failure points.

The EPIC II is a rotary transfer solution specifically made for advanced production solutions for the future.



### **Control Benefits**

- No PMAC EPIC Boxes
- Bosch CNC/PLC Common Control
- Direct Access For Valves, Programming & Feedback
- Common Servo Valve
- Reduced Wiring And Machine Plugs
- More Efficient Architecture With Reduced Failure Points
- No Danfoss Motors (Expensive Replacement)

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# ***EPIC II***

## **TECHNOLOGY COMPARISON**

<b>ITEM</b>	<b>EPIC R/T</b>	<b>The New EPIC II</b>
Computer	PC w/ 2GB Ram + 120Gb SSD	I7 W/ 4GB Ram
Operating System	Windows XP	Windows 7
Communication System	Dual - Profibus (I/O&Sa) & Ethernet (PMAC)	Dual - SERCOS 3-Ring (Sa&Ma) & Ethernet (I/O)
Software	Allen Bradley Rs Logix 5000 & Softlogix	Indraworks Mtx L85 (Centralized PLC & CNC Control)
Single Axis Valve	Bosch IAC-R "Smart" Valve	Bosch SSI SERCOS 3-Valve
Multi Axis Valve	Bosch OBE Valve (PMAC)	Bosch SSI SERCOS 3-Valve
Scales	Heidenhain	RLS (Renishaw)
Variable Frequency Drive	Danfoss (Remote - Integrated Motor)	Emerson (Reside In Electrical Cabinet)

### **Operational Features**

Improved Accuracy With Absolute Positioning Which Eliminates Need For Unit Home Prox

Replacement Servo Valves Can Be Locally Configured And Programmed On The Machine And Does Not Require Hydromat Assistance

Expanded Canned Cycle Selections To Generate Programs Faster And Easier

Enhanced Operation, Trouble Shooting, and PM Intervals

More Standard CNC Controls For Improved Part Set-Up, Change-Overs, and Process-Tooling Development

Integrated Tool Monitoring (In Development)

