Okuma Interface

Increased productivity and convenience in machine tools

The easy way to control your robot
The Okuma Interface takes a combined approach to machine tool and robot control. Providing operators with a single operating environment, the Interface saves production time and reduces the need for operator training.

What is the Okuma Interface?
The Okuma Interface consists of two parts:
- A graphical user interface to operate a robot from the control panel of an Okuma machine tool
- Extendable robot controller program libraries and configuration files for setting up the Okuma machine tool

The user interface includes functionalities to start and stop the robot and move the robot safely into its home or service position. Graphical windows provide information about part data, robot events, input/output signal status, etc.

The extendable libraries enable the programmer to readily create the code for the robot tending an Okuma Lathe, Multus or Machine Centre, without the need for complex programming.

Working with the Okuma Interface
When the program is finished and tested, production is started and the operator turns to the control panel of the Okuma machine tool. During production, both the machine and the robot are operated from the same control panel.

Production
In production, the operator only needs to look at one control panel to learn the status of both the machine and robot. The operator gets information about the part which is currently in production and can stop the actual cycle and easily move the robot safely into its home position if necessary.
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Interface and IO
The status of input and output signals is displayed in the signal window. The signals can be grouped to individual units, enabling the operator to easily keep track of the communication between the robot and the machine tool, as well as any peripheral equipment connected to the robot controller.

Event Logs
The operator can also access the event log of the robot controller. The event log offers detailed information about the causes and consequences of an event and advises the operator on the main steps needed to solve any problems that arise.

Features
- Supports Okuma Lathe, Multus and Machine Centre
- Supports Master & Slave interface
- Robot event log on control panel
- Languages available: English/German

Benefits
- One operating point for robot and machine
- Reduced time for production start-up
- Reduced need for operator training
- Maximizes productivity in the cell