

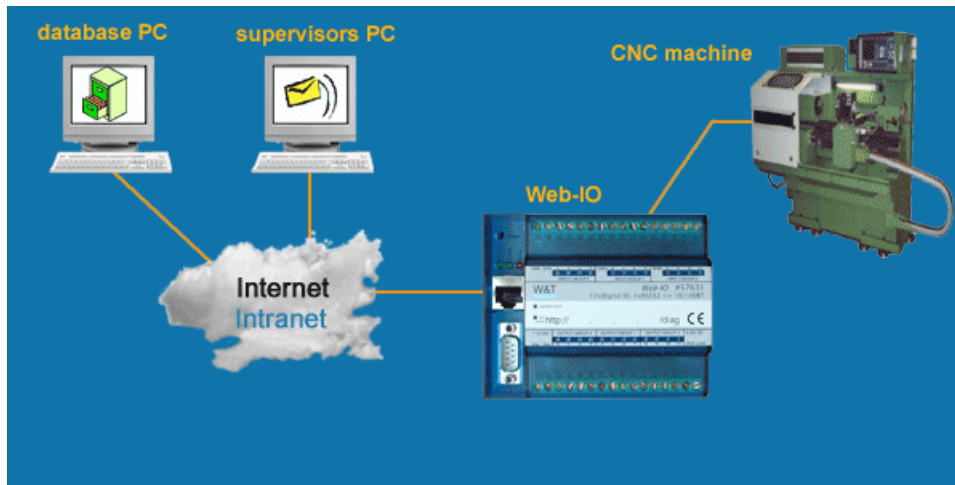
Applications for the Web-IO Digital:

## Enter operating data

Registering the running times and material usage of a CNC machine

Product overview

Application overview



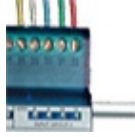




### Definition of tasks

The running times and material usage of a CNC machine are to be maintained in a database on a central server. In addition, the supervising foreman is to be notified if the material depot of the machine is used up.

### The solution

The floating contacts for machine run, material replenishment and depot filling were connected with the inputs of a Web-IO 12+12 Digital. The existing database application was extended by the facility of directly retrieving signal states and counter readings of the Web-IO via TCP / IP sockets. An alarm is configured in the Web-IO that sends an e-mail to the service personnel if the material depot needs to be filled.

### Details

1. The required outputs of the CNC machine were connected to digital outputs of a Web-IO.	
2. The Web-IO was plugged into a free Ethernet port and connected to a power supply.	
3. The Web-IO was assigned an IP address.	
4. An alarm was installed via the browser. If no material is available, this alarm automatically sends an e-mail to the service personnel.	
5. The database application of the company was extended so as to indicate states and counter readings of the inputs of the Web-IO directly via TCP / IP sockets.	

### BDE / MDE in practice

A database solution based on Web-IO technology for machine data acquisition is offered by [Heuser Datenbank-Applikationen](#). Detailed information available as a [PDF flyer](#) or at: [www.myhda.de](http://www.myhda.de).

### Additional options

By using a Web-IO with additional Com-server functionality, the serial programming interface of the CNC machine can be contacted via the network. If this interface is integrated with the aid of the W&T COM rerouting as a virtual COM port on the PC of the foreman, then he could effortlessly load these new programs from his desk.



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