

The MTM Omega cleans, deburs and assembles.

The MTM round cycle system for two different work piece types.

The fully automated MTM model Omega round cycle system accepts a new challenge:

It cleans, deburs and mounts the crankcase and bedplate of a V8 motor for a renowned German automobile manufacturer.

This system is equipped for the following procedural steps:

- FI (flood injection) washing,
- HP (high pressure) deburring at about 650 bar,
- Vacuum drying.

Loading and unloading occur at only one station.

New: High pressure deburring by the robot!

The progressive design of the MTM Omega introduces another high tech component by integrating a freely programmable joint-armed robot for contour-controlled high pressure deburring.

The various work pieces are alternatively loaded into the system by a robot.

The first chamber is used for spray cleaning, the second for cleaning various spots and surfaces by a robot and for deburring at about 650 bar in the oil lines.

Vacuum drying takes place in the third chamber.

Then, the loading/unloading robot first picks up the crankcase and deposits it on the pairing station. It places the bedplate on the crankcase.

In this form, the components will pass through the cooling tunnel, so that they can be measured in the next step.

What about the dirt value requirements?

The residual dirt values required by the client differ considerably depending on the specific work piece and the particular surface or hole.

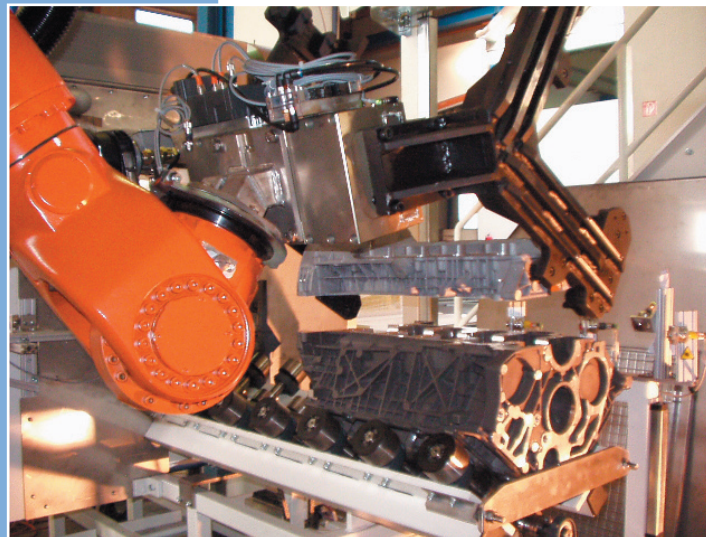
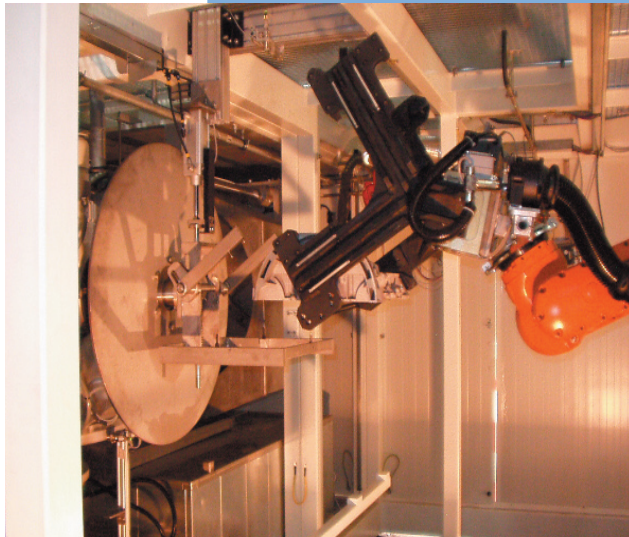
The MTM Omega complies with the required values or even exceeds them.

Are you interested in washing experiments for such pieces or similar pieces?

Please send you samples directly to our technology devision:

MTM GmbH
-Technology Devision-
Gottower Strasse 37
D-14943 Luckenwalde

Date: 08/09/2005



A bedplate is positioned by a joint-armed robot in the work piece uptake (using a clamping device).