Tools of tomorrow

Industry 4.0 for processing wood and plastic derived materials
We shape the future.

We have always translated current industrial trends into forward thinking tool technologies. Sometimes, we are one step ahead.

The next industrial revolution is upon us. Again this time we set the benchmarks in processing wood and plastic. In future, our customers shall be amongst the best of their industries.

We are prepared!
Please feel free and contact us to find out more.

1712
Industry 1.0
First steam engine is designed by Thomas Newcomen.

1906
Production of machine tools
Adaptation of tool programme to the mechanisation of wood processing.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tr>
<td>1870</td>
<td>Industry 2.0: First elevated belt conveyors in Cincinnati, Ohio, USA.</td>
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<td>1971</td>
<td>Profile- and diameter-constant tooling systems for constantly high processing quality over the entire life-cycle and low set-up times.</td>
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<td>1969</td>
<td>Industry 3.0: Richard Morley and Odo J. Struger are the fathers of chip-programmable control SPS</td>
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<td>1993</td>
<td>Leitz tools with an electronic chip: Technology data and the Leitz Tool Management System as a service which accompanies tools.</td>
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Networked tools.

Each tool is unique. An integral data chip gives the tool its individuality. The tool communicates with a local Cloud which contains standardised data. The data generated by the tool is passed to the cloud and visa versa. Using the internet, the tool can exchange the data with the operator, machine or tool service to everyone’s benefit.
Benefits of this system

- Faster commissioning of tools through the automated setup processes
- Higher process security through communication between tool and machine
- Higher cost transparency through precise analysis options
eApps4 Production.

Engineering Apps bundle production information and make them available – in Real Time, everywhere across the world and on any terminal type device. They make the most complex production processes transparent for the users and warn against critical operation issues. A quantum leap for process optimisation.
Higher productivity through optimal processes

Higher machine and tool availability through reduction of fault-based production downtime

Variabilisation of costs through Pay Per Use-Model
We shape the future.