

Integratable linear assembly



Joining techniques of certified quality

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More than just „fitting things together”

Process-safe assembly is a cost-relevant work step in the manufacturing chain of modules and subassemblies – especially in the case of systems that have to meet high quality requirements!

So, for OECHSLER, “assembly” starts as early as in the design stage where the conditions are created for fitting the individual components economically and efficiently together to form an assembly. In view of the growing number and complexity of the components, e.g. in micro drives or medical equipment, it is ever more important that the design is suitable for assembly line manufacture.

Apart from classic assembly processes, we provide, inter alia, technical services such as welding, riveting, cutting, and gluing with fully automatic assembly systems – including non-destructive testing, marking and packaging of the final product. Dependent on the required quantity, quality profile and complexity of the part, we

employ fully or semi-automatic systems in order to achieve best possible results as regards product quality and economic efficiency. For this, we use automatic revolving assembly machines and linear transfer systems enabling flexible assembly sequences and, if required, expansion of the assembly steps – always optimally suited to your needs. If quality safety is assured, we also cooperate with partners around the world to keep unit cost low.

The more complex the assembly unit, the more important the design for assembly



OECHSLER assembly: Actuator for electronic parking brake

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The appropriate technique for any task

We assemble systems and subassemblies with a large variety of requirements, for all branches of business.

• For example **Medical care:**
We assemble medical assemblies and devices of highest precision and cleanroom quality. For this, we use linear transfer systems of a variety of cleanroom classes,

with integrated test techniques and batch traceability enabling us to uniquely track each assembly.

• For example **Communications:**
For short-lived products which are characterized by frequent design changes, great diversity of variants and high production volumes, OECHSLER employs state-of-

the-art process techniques to ensure top quality products at economic unit cost, including fully automatic laser and ultrasonic welding, liquid gluing, laser cutting and marking as well as fully automatic application of protective film. Especially in the case of sensitive surfaces, careful handling and transport of the parts all through the assembly process is in the focus of our attention; position and surface checks along the process chain ensure consistent high quality.

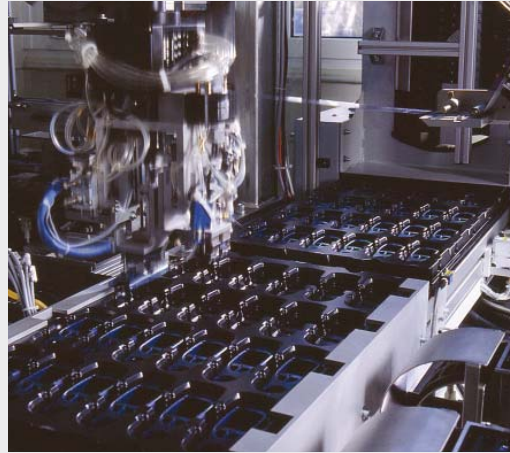
• For example **Automotive:**

We realize highest quality standards as regards safety, stability under load and long lifetime by continuous optimization of processes and testing techniques integrated in the assembly process. This goes especially for sensitive assemblies such as lampholders for flashing indicators and sidelights, headlight modules, actuators and drives for locking systems. Among other things, we test the torque of gear units, the tightness of housings, contact and insulation resistances, and conduct electrical load tests, etc.

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• **Marking and Packaging:**

For product marking we use, inter alia, datamatrix, barcode or plaintext – optionally with laser, ink-jet or dot-matrix printing and/or self-adhesive labels. In this connection, integrated camera systems check and document the correct sequence of operations. If required, we fully automatically package the assembled modules and supply them, for instance, in sealed non-venting packaging, and, if requested, even in cleanroom quality.



Molded parts on trays on their way to being assembled

Assembly by OECHSLER



Revolving assembly system



Mirror adjustment system

The implementation of complex assembly tasks is our strong point – assemblies perfectly processed at economic unit cost. The result is assemblies of highest certified quality, accurately produced to your specifications.

OECHSLER – Assembly at a glance

- Assembly of modules, precision systems and miniature drives, subassemblies
- Manual, fully and semi-automatic assembly
- Rotary table systems, linear transfer systems, cleanroom cells
- Fully automatic welding, riveting, cutting, gluing, marking, packaging
- Automated test techniques
- Traceability of batches
- Certified to ISO/TS 16949:2002

Locations:

Germany

- Ansbach
- Weißenburg
- Küps

China

- Taicang

Romania

- Lipova



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