

WINDING AND AUTOMATION

We can wind it. From microscopic chip inductors to huge armatures. Nittoku is the most diversified winding machine maker, but at the same time also highly specialized in each category.



NITTOKU EUROPE

Winding and Automation

www.nittoku.eu

NITTOKU WINDING

Since 1972 Nittoku Engineering is continuing to develop new and innovative winding methods, which are used in our advanced and fully automated winding machines.

01 MOTOR WINDING

Armature Winding

- Single Flyer Distributed
- Double Flyer Distributed
- Single Flyer Concentrated
- Double Nozzle Concentrated

Solid Core Outer Winding

- Single Flyer Distributed
- Link Nozzle Concentrated
- Single Flyer Concentrated
- Single Flyer Concentrated (with Former)
- Single Nozzle Concentrated
- Double Nozzle Concentrated

Solid Core Inner Winding

- Single Nozzle Concentrated
- Triple Nozzle Concentrated
- Multi-Wire Nozzle

Segmented Core Winding

- Single Tooth Spindle
- Sequenced 4 Spindle
- Bifilar Spindle
- Flat Wire Spindle

Open Core Winding

- Single Flyer
- Tripple Nozzle

Coil Inserter Method

- Concentric Winding
- Inserter

02 COIL WINDING

Bobbin Less Winding

Bobbin Winding

- Round Wire
- Flat Wire

Chip Winding

- Power Inductor

03 SPECIALIZED WINDING

Flat Wire Edgewise

Customer Specific Winding Solutions

04 TENSIONERS & ACCESSORIES

- Mechanical Tensioners
- Electrical Tensioners
- Magnetical Tensioners
- Powder Brake Tensioners
- Pulse Servo Tensioners
- Servo Tensioners
- Nozzles





EUROPEAN FACTORY

Nittoku Europe provides a full service: R&D and Sales, Electrical and Mechanical Engineering, Manufacturing, Assembly and of course After Sales Service, all located under one roof. A team of Japanese and European Engineers guarantees a smooth processing of customer inquiries and projects utilizing the global Nittoku network.



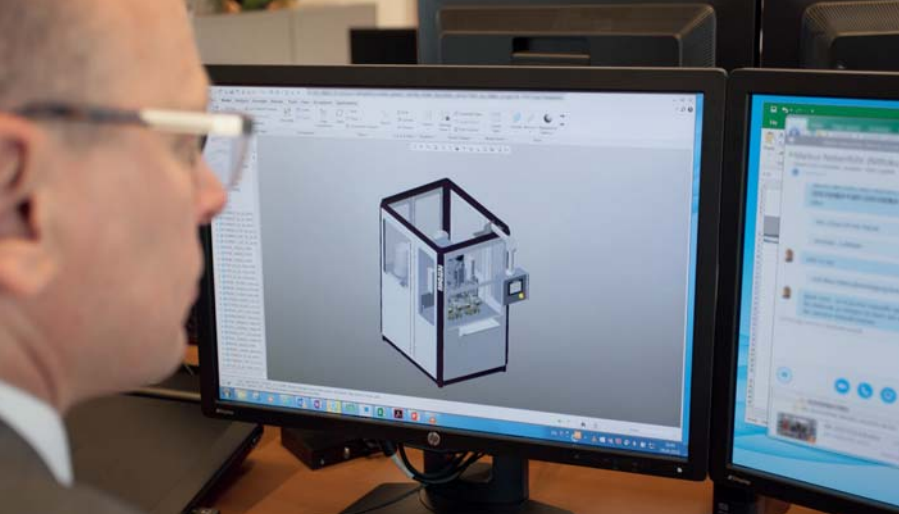
01

R&D CENTER

Involving the Nittoku R&D team in the early stages of the product development ensures that products and manufacturing equipment are developed hand in hand. Based on our experience, this is crucial when it's about developing the next generation of cutting-edge technologies.

In our winding laboratory we provide trial winding services for product prototypes or sometimes even run a small volume production of sample parts for our customers.

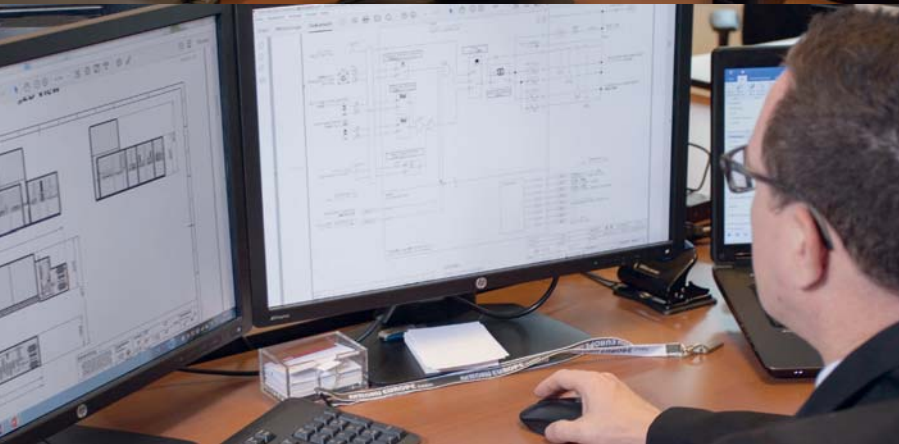




02

ENGINEERING

Accepting the challenge. Striving for the eco-technical optimum. Considering project specific boundary conditions. State of the art Engineering software creates the preconditions for an economic design and software development process.



03

MANUFACTURING

All key components are manufactured in-house. The quick availability of manufacturing parts is fundamental, when it comes to project business.



04

ASSEMBLY

From small trial winding tools to fully automated lines. Nittoku's assembly department covers the entire range: Assembling, wiring, piping, adjustments.



05

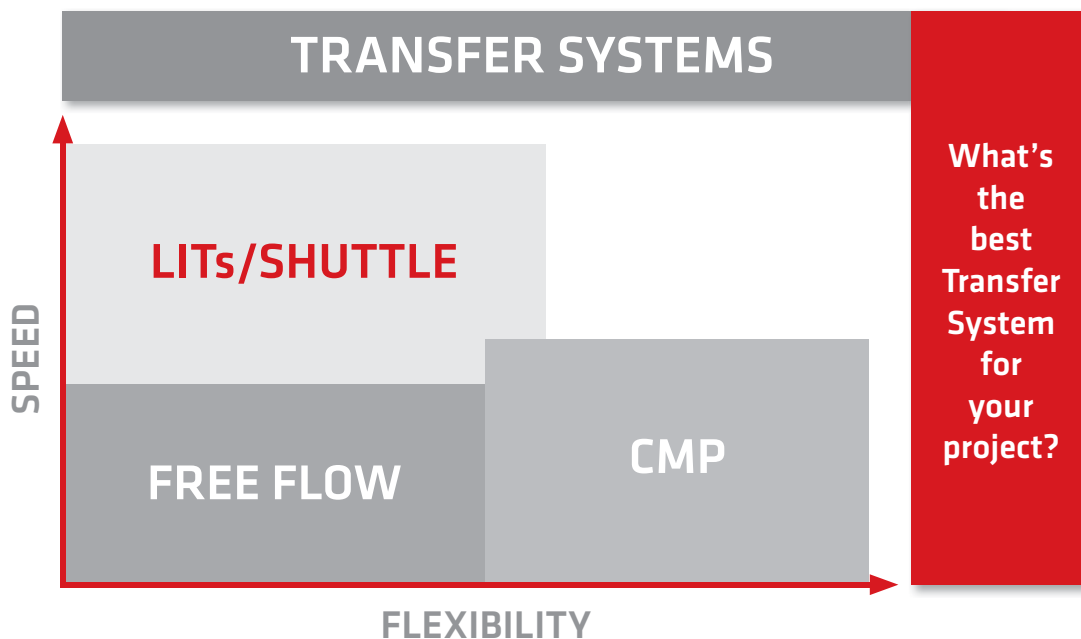
AFTER SALES SERVICE

Spare parts, machine upgrades, software modifications, machine conversions, application support. Our service engineers are delighted to support our customers.

NITTOKU AUTOMATION

Nittoku stands for „Economical Automation“.

Depending on type and variety of products, volume over time, quality requirements and complexity we will select the right automation approach in a dialog with our customers.



NITTOKU HAS A COMPREHENSIVE PORTFOLIO OF STANDARD PROCESSES:

- | | | |
|--|--|---|
|  FEEDING |  SCREWING |  TESTING |
|  PUNCHING |  WELDING |  TRACING |
|  BENDING |  DISPENSING |  PACKAGING |
|  FORMING |  BONDING | |
|  PRESSING |  SOLDERING | |

COMPANY PROFILE NITTOKU EUROPE

In May 2015 Nittoku Engineering established its new European Headquarters in Austria, which is the only Nittoku factory outside of Asia. Nittoku is just around the corner for most European customers, which makes daily business a lot easier.

SHORT FACTS:

Nittoku Europe GmbH
European Headquarters
Founded in May 2015
Winding and Automation
R&D Center, Factory

Design and Photos: wf-design.at



GET IN TOUCH

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NITTOKU EUROPE

Winding and Automation

**PART OF THE
GLOBAL NITTOKU NETWORK**

Think global – act local.

Nittoku: Always close to the customer.



www.nittoku.eu



HEAD OFFICE



FACTORY (6)



AGENCY, SUBSIDIARY, REP. OFFICE (15)