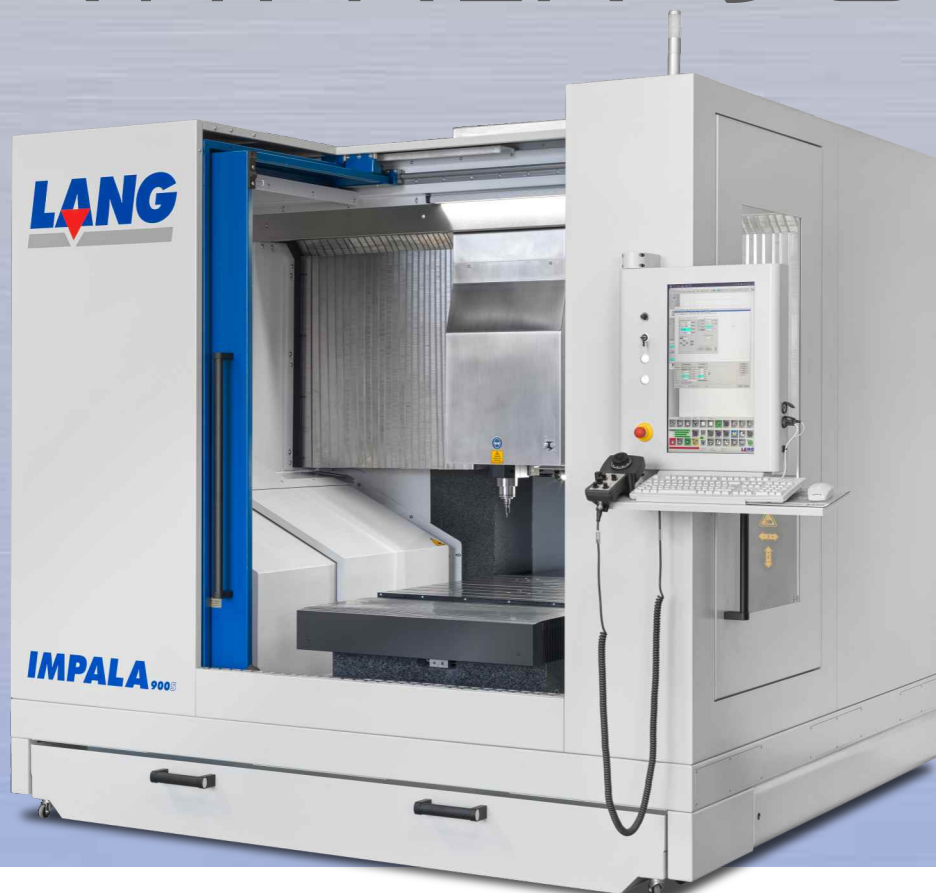




[www.lang.de](http://www.lang.de)

CNC MILLING AND ENGRAVING MACHINE

# IMPALA 900S



PRÄZISION IST UNSERE WELT...



The CNC milling and engraving machine Impala 900S convinces with a highly dynamic drive on all 4 axes. It thus offers the highest dynamics combined with exact positioning and the highest repeatability.

Whether embossing dies and tools or injection moulds - combined with a compact machine design and versatile functionalities, the Impala 900S can be used in a wide range of applications. The perfect match of machine, powerful accessories and high-quality tools guarantees the best possible profitability for machining of various workpieces and materials.

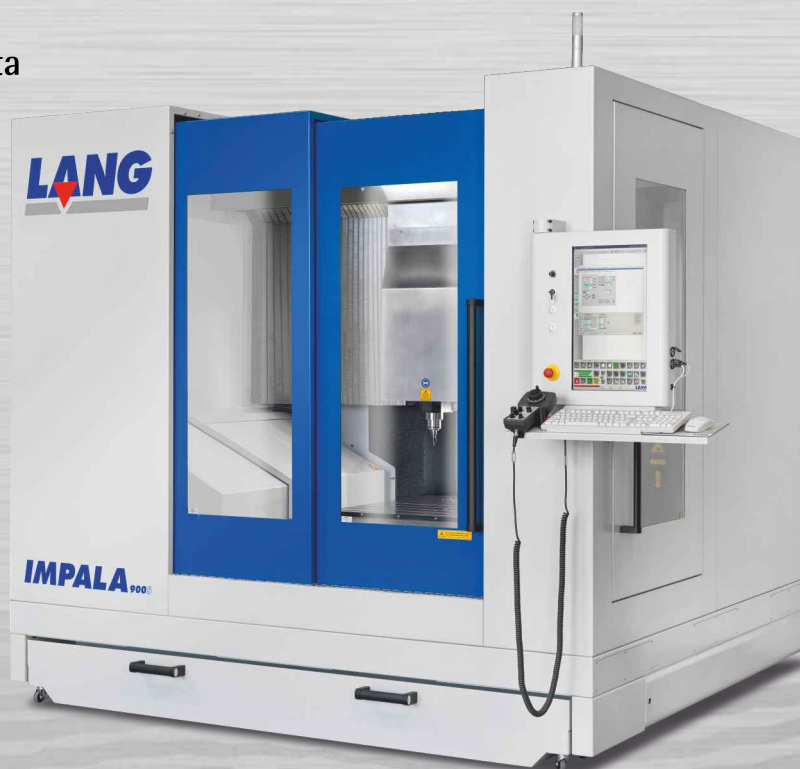
Like all machines of the Impala series, the latest version of the Impala 900S has a temperature-stable and vibration-damping granite bed. In addition, it offers the possibility of using a spindle with spindle growth compensation, which leads to even higher process reliability and surface accuracy.



## Advantages

- ✓ Touch operation
- ✓ Windows 10-based user interface with 64-bit system
- ✓ High-precision results with short production times due to precision drives on all 4 axes
- ✓ Excellent machine quality thanks to many years of experience
- ✓ Energy-efficient cooling concept for spindle and control cabinet
- ✓ Compact design - especially when doors are open
- ✓ Easily accessible working area
- ✓ Z-stroke of 250 mm for more machining flexibility
- ✓ Consistent customer- and process-oriented overall concept for short production times
- ✓ Easy and fast change of CAM strategies on the machine when using the LANG Software as an option
- ✓ Exact reproducibility at a max. traverse speed of 25 m/min
- ✓ High process reliability as a result of absolute glass scales in all axes (Closed Loop System)
- ✓ Possibilities for wet processing / preparation for oil mist extraction
- ✓ Integrated oil and chip tray as well as a chip drawer extractable to the front
- ✓ Central connection panel for machine supply and accessories
- ✓ Spacious maintenance doors for easy cleaning
- ✓ Spindles up to 10 KW (also with spindle nose growth compensation)
- ✓ Hard machining

## Technical Data



Work surface (X x Y x Z) (mm) (")	900 x 900 x 250 (35,43 x 35,43 x 9,84)
Table size (X x Y) (mm) (")	900 x 900 (35,43 x 35,43)
Load capacity max. (kg)	ca. 1200
Traversing speed max. (m/min)	25
Output software	LDriver, Output of DIN 66025
Controller	andronic 3060+
Tool Changer	Disc changer 30 - 40 times
Weight of machine (kg)	ca. 7200 (plus accessories)
Machine dimensions (B x D x H) (mm) (") (folded control panel)	2795 x 3140 x 2630 (110,04 x 123,62 x 103,54) (depending on equipment, exact dimension acc. to transport plan)

### Milling spindle

Power S1 (kW)	1,2	2,6	8	10
Rotation Speed (U/min)	60.000	50.000	40.000	35.000
Change cone	WK 16-6	WK 19-10 / HSK25	HSK E32	HSK E40

## Complete system solutions

We offer complete system solutions for your milling and engraving applications.

From the digitizing system LDigit express, the software LErgoCAD and Relief-Designer to the individual machine conception and product-specific training, with LANG you have only one partner from the idea to the finished product.

Our decades of experience in the field of mechanical and control engineering and in the development of software guarantees you process reliability and the highest quality in the machining of your workpieces.

# Typical Applications

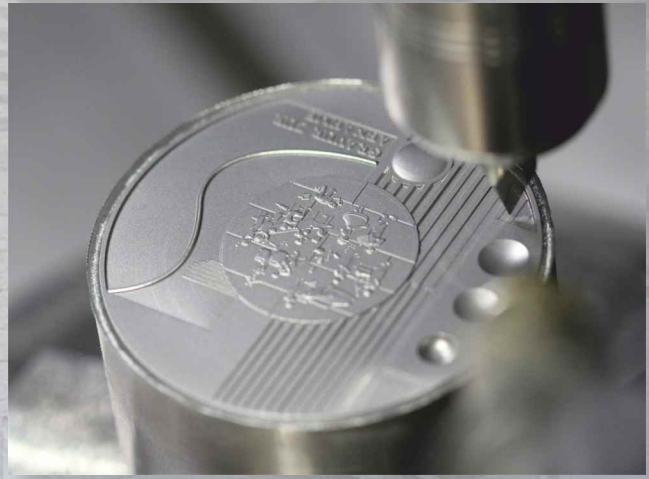
Tool- and mould industry



Tool- and mould industry



Minting dies



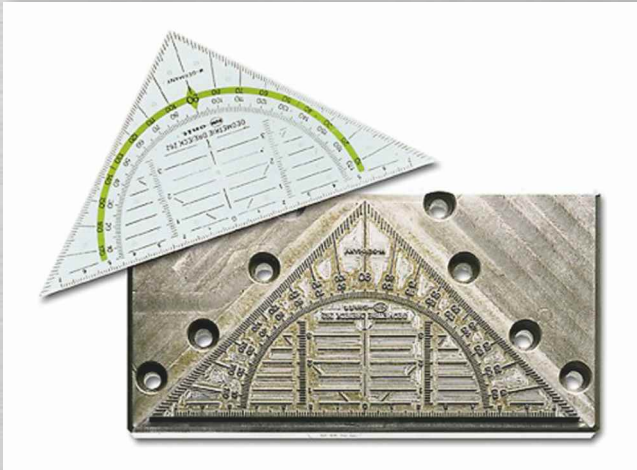
Molettes



Cliches for security papers



Embossing dies



Hot foil stamps



Hot foil stamps



Injection molds



Electrodes



## Options

### Tool changig systems

Disc changer 30 - 40 times

### Different Lubrication Systems

Oil mist device

Oil circulation system

Air nozzle

Cold air nozzle

### Camera systems

Various selectable camera systems allow a comfortable setting and workpiece measurement directly on the machine.

### Vacuum clamping system

### Milling spindle packages

We offer several spindle packages in different performance classes for the most diverse machining tasks.

### Various standard cone systems

### Measuring systems

IR edge probe (from Blum, Renishaw, Hexagon)

Blum Z-Nano measuring point

Blum LC laser measurement bridge

### Training and Service

Our extensive service ensures maximum machine availability and process reliability of your production. Besides the personal on-site service, our online and hotline support helps to keep downtimes of your machine as low as possible. In addition the LANG service range contains equipment upgrades, software updates as well as trainings to ensure an efficient and optimal handling of our milling machines.

