



Automatic grinder for sharpening  
cutters featuring straight  
and helical cutting lines  
controlled in 4 axes



# ASP-631 SL4

## Features of the ASP-631 SL4

- An automatic device designed for sharpening tools with straight and helical lines
- An intuitive and clear control system with a graphical user interface
- Minimum machine operating costs
- Robust and well thought-out design
- 4 numerically controlled axes

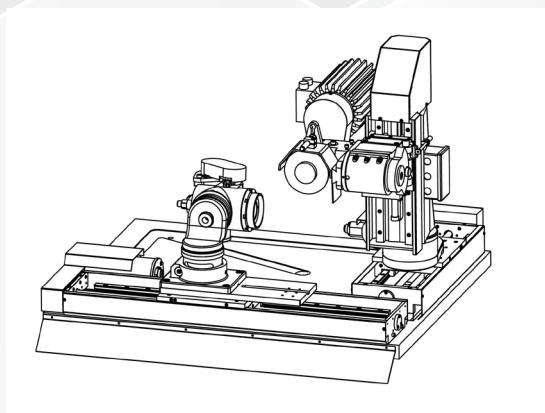
## Outcome

- The perfect combination of precision and performance
- The highest price/quality ratio.

# Design Assumptions

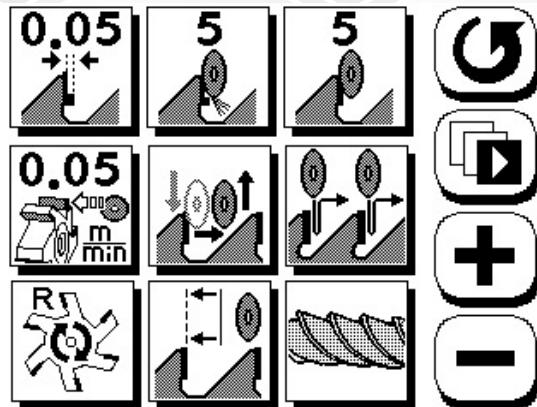
The machine in the SL version is designed for automatic sharpening of cutters featuring straight and helical cutting lines, up to 250mm in diameter

- Robust and compact design
- Polish engineering solution
- Using highest quality components
- Four numerically controlled axes
- Electronically programmable sharpening



Well thought-out design

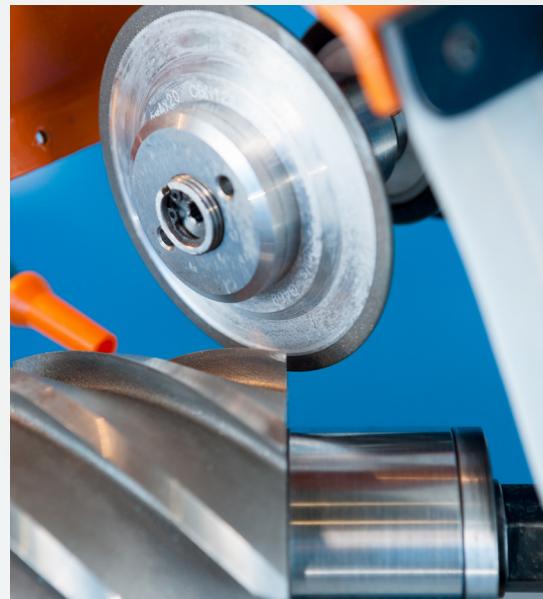
Four numerically controlled axes



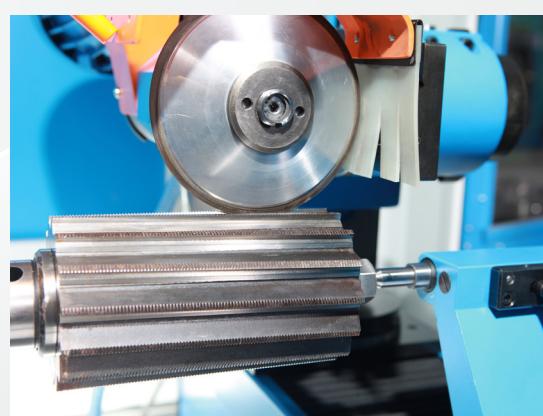
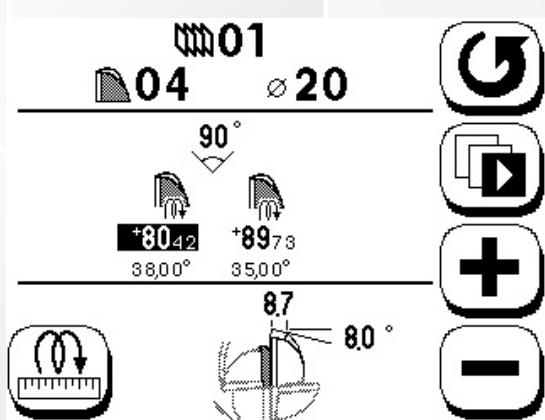
Intuitive control system



High-end components

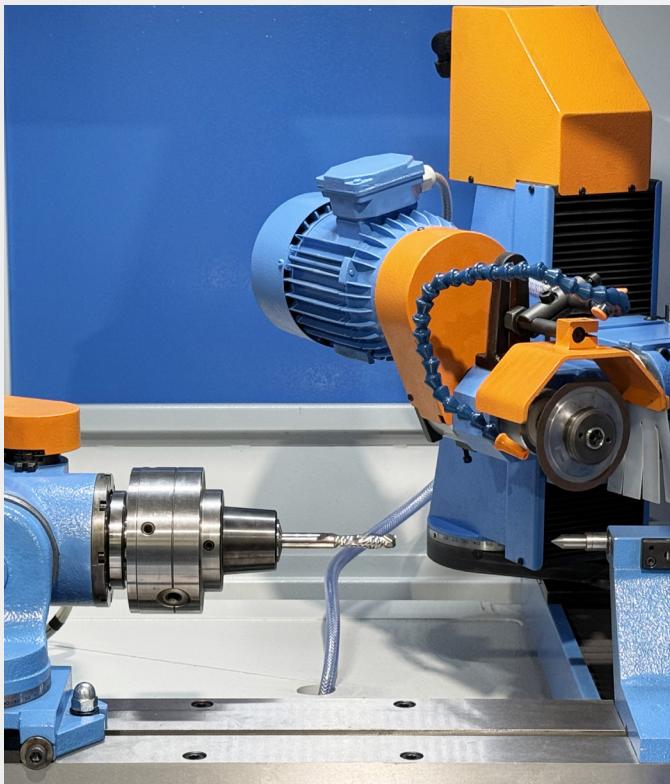
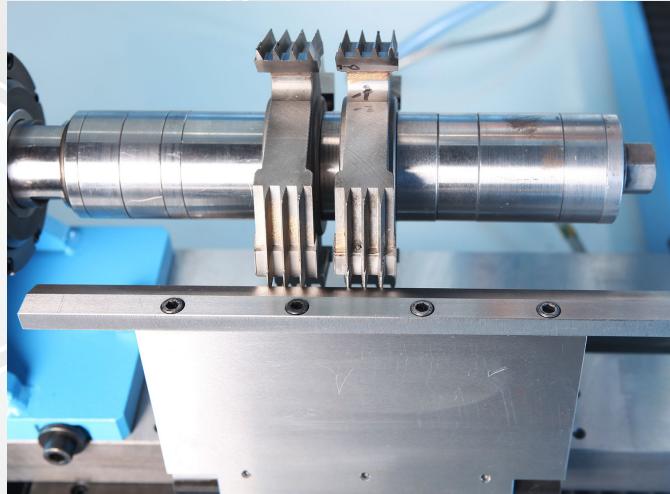


High precision dividing head



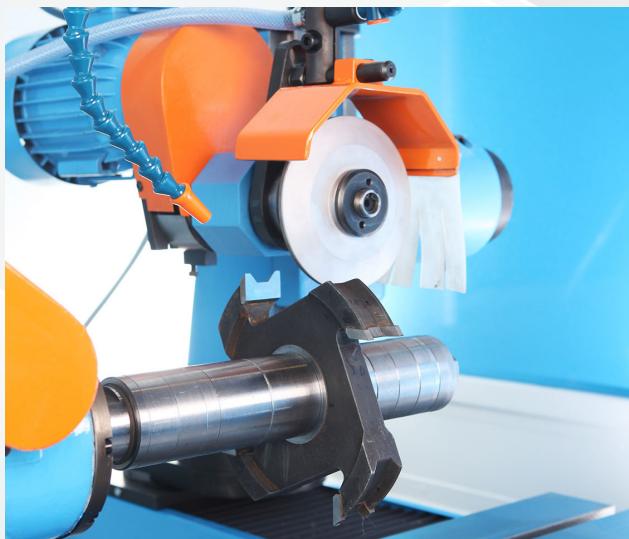
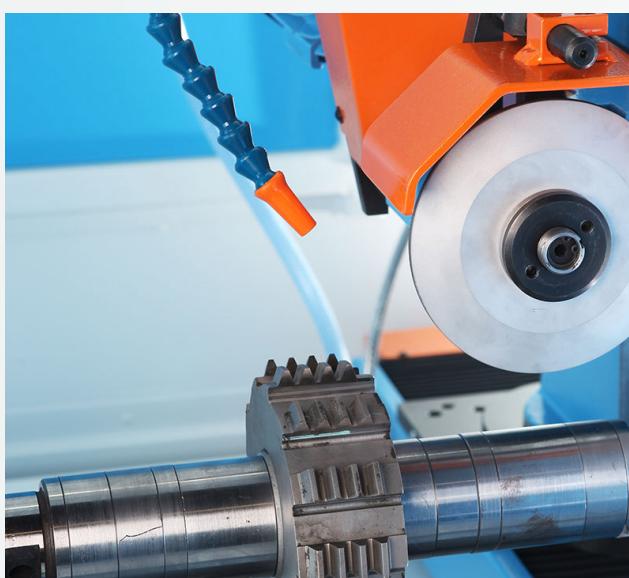
# Description and application

The ASP-631 SL4 version is designed for sharpening rotary tools with a diameter of up to 250 mm, including arbour type milling cutters, cutters for finger joints and taps, featuring both straight teeth and a helical cutting line. The machine features four axes, which can be programmed using an intuitive control system



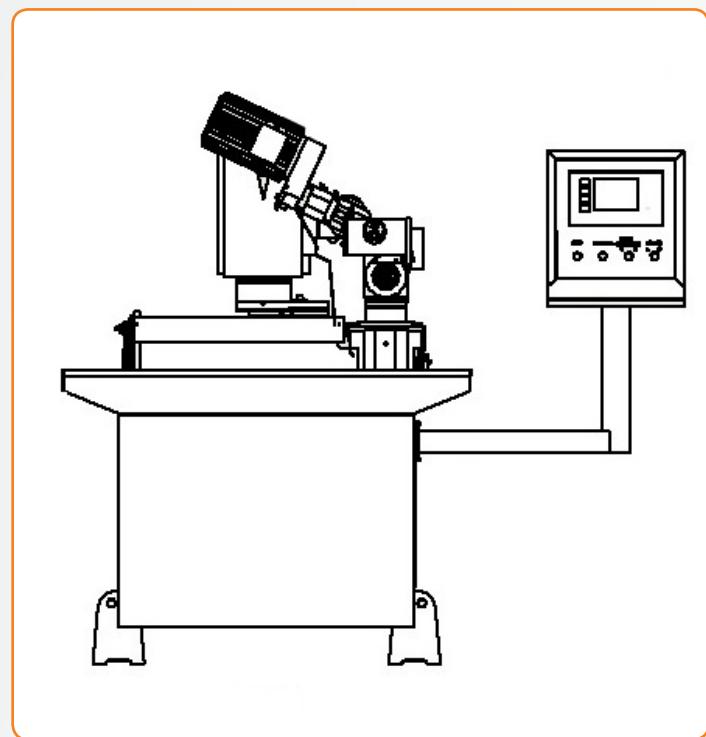
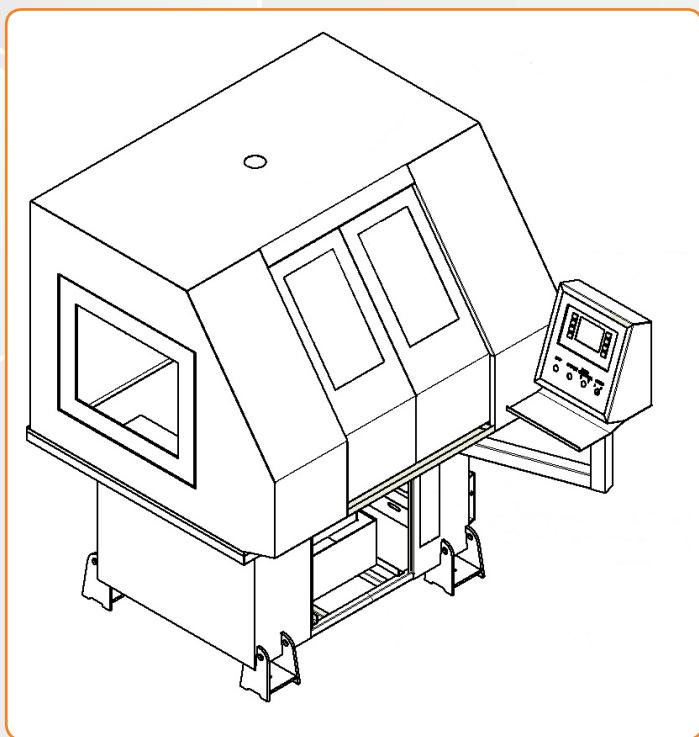
## Advantages

- 4 numerically controlled axes
- Robust and compact design
- Internal memory for saving tool parameters
- An intuitive control system for programming the necessary tool and operating parameters
- Using highest quality components
- Fully enclosed design
- High precision dividing head
- Automatic cycle sharpening



# DANE TECHNICZNE:

External diameter of the sharpened cutter	Up to 250 mm
Length of the sharpened cutter	Up to 250 mm
Incremental feed rate during sharpening	0,01-0,99 mm
The number of programmable sharpening passes	0-99
The speed of grinding	0,1-2 m/min
Angle of inclination of the grinding wheel	$\pm 45^\circ$
Grinding wheel diameter	125 mm
Fixing hole diameter	20 mm
Installed power	2 kW
Coolant tank capacity	Approx. 40 litres
Weight	Approx. 540 kg
Dimensions	1540x1700x1800 mm



## Standard Components

- Enclosed structure
- Cooling system
- An arbour for arbour type milling cutters
- A set of wrenches
- A starting package (grinding wheel and coolant)

## Accessories

- Attachment with tailstock
- Reduction sleeves with mounting

# Technologia ostrzenia



## Grinding Technology



ul. Główna 1, 58-530 Kowary

tel. +48 75 718 22 42

tel. +48 75 718 23 54

fax. +48 75 718 24 74

e-mail: [lakfam@lakfam.pl](mailto:lakfam@lakfam.pl)

[www.lakfam.pl](http://www.lakfam.pl)