

# Automatic tool grinding machine ANB-5T

**Automatic tool grinder ANB-5T** is used for sharpening tools of the punching machines type of Trumpf (Trumpf, Boschert...) and Thick Turret - (Amada, Finn Power...). Full automatic control saves time and ensures the optimal result of grinding. Simple and practical operation of the machine requires that the operator only has to fix a tool and set the thickness that has to be removed. The performance of grinding and all the processes are steered automatically.

## Advantages:

- grinding can be carried out immediately by the operator of the punching machine
- grinding in automatic mode eliminates the influence of the human factor of the final quality
- effective internal cooling
- high quality grinding of the surface because the very fine, automatic steered feeding
- limited maximal removing thickness furthers more often sharpening to extend tools life
- the usage of CBN wheels with a long lifetime and without alignment
- compact performance
- minimum operating costs
- simple and intuitive operation
- safety and diagnostic system



## Technical parameters:

Machine type		ANB-5T	
Dimensions	Length	550 mm	
	Width	500 mm	
	Height	1010 mm	
Weight			115 kg
Nominal voltage	3/N/PE AC 400/230V		
Nominal frequency	50 Hz (60 Hz)		
Nominal current	max. 2,2 A		
Shielding degree	min. IP 54		
Spindle speed	4 200 / min		
Max. removing size standard/ profi (approx.)	0,2 mm / 2 mm		
Min. removing size (approx.)	0,04 mm		
Step of the setting (approx.)	0,02 mm		
Max. die diameter	158 mm		
Max. length of punch	208 mm		

**NEW!** Better operating for cleaning.

### The main benefits of timely grinding:

- lower wear and tear parts of punching machine
- lower costs for removing burr – deburring
- extending lifetime of tools - saving costs

### Extending lifetime of tools

The speed of the blunting of particular tool depends on many factors (properties of materials, geometry and adjustment of tools etc.). The course of blunting tool is irregular and is shown in the chart (red curve).

After the first deburring of the edge, the tool lasts a long time with minimal blunting. However after exceeding the radius (about 0.5 to 1.0 mm) – the speed of blunting is rapidly increasing. Timely grinding can avoid this final phase of blunting and achieve increased lifetime of tools, as shown in the chart (green curve).

