

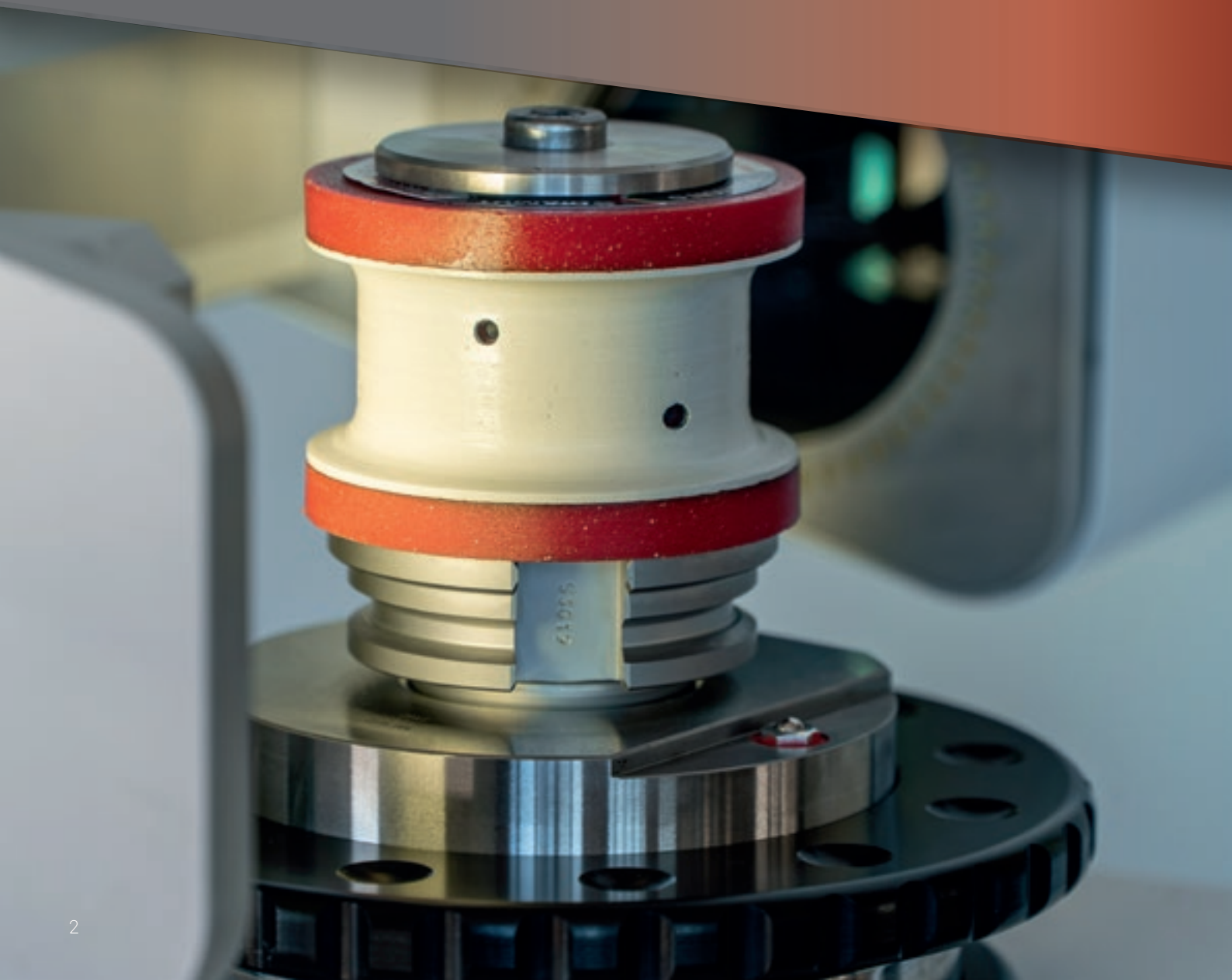
# PRE SETTER

OPTICAL TOOL  
MEASURING SYSTEM



**DIAMUT**

# OPTICAL TOOL MEASUREMENT



## MARKET EXPECTS

A quick and easy way to preset CNC tooling offline, outside of the machine, to reduce the tooling setup time, while improving accuracy.

## DIAMUT RESPONDS

With our advanced optical tool measurement system, our customer can, with ease, measure a complete profile set in under five minutes. This system allows precision accuracy for the setup, allowing for our Diamut tooling to run at “true hyper speeds,” and maximizing the tooling life.

- **DIRECT CONNECTION WITH MASTER INTERMAC (CHECK COMPATIBILITY OF CNC MACHINE VERSION - PRESETTER)**
- **DIAMUT PROFILE DATABASE IS AVAILABLE (IN ACCORDANCE WITH CUSTOMER NEEDS)**
- **VERIFY TOOL LIFE WITH DIAMUT PROFILE DATABASE (IN ACCORDANCE WITH CUSTOMER NEEDS)**
- **MEETS STANDARDS FOR BOTH OFFICE AND INDUSTRIAL ENVIROMENTS:**
  - SOFTWARE INSTALLATION KIT INCLUDED
  - REMOTE ACCESS SOFTWARE
  - FINE MICROMETRIC ADJUSTMENTS.

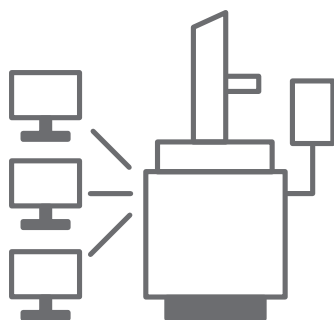


# CONSTANT PRECISION



## A SIMPLE SOLUTION TO OPTIMIZE PRODUCTIVITY

The Diamut Presetter is a device that performs the measurement or scanning of the tool's geometry through software developed by Diamut. It transfers all the parametric information needed to use the tooling directly within the machine, fully preparing the data to line up challenging profiles. An operation that was once performed by an operator is now accomplished automatically with extreme precision. Simplified actions serve to minimize errors, and the Presetter's ability to work offline with respect to the CNC machine helps users avoid downtime, thus increasing productivity.



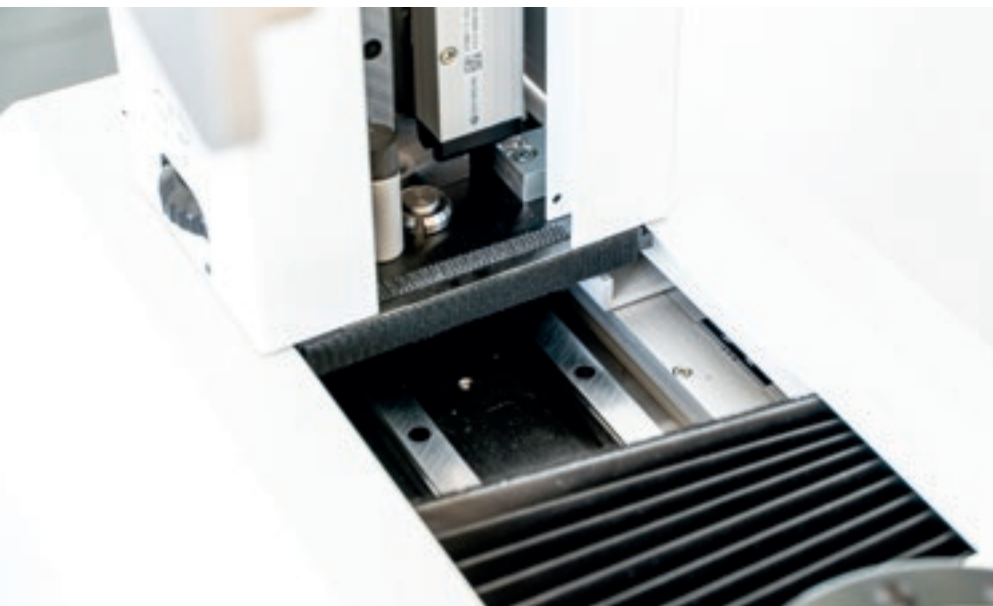
## AN INNOVATIVE TOOL MANAGED BY DEDICATED SOFTWARE

The Diamut Presetter eliminates downtime and increases the efficiency of the operator. The process drastically reduces the risk for error and the loss of time during the operation.

## PRESETTER



Special interchangeable, cone-holder spindle made of high precision tempered steel (internal runout of the cone  $\pm 2\mu\text{m}$ ). Integrated calibration balls for quick and precise zeroing.



Thanks to anti-dust bellows that protect optical lines, sliding guides and other sensitive parts, the Diamut Presetter also excels in an industrial environment.



**TOOL  
MEASUREMENT  
VERSATILITY**

# TECHNICAL DATA

## PRESETTER

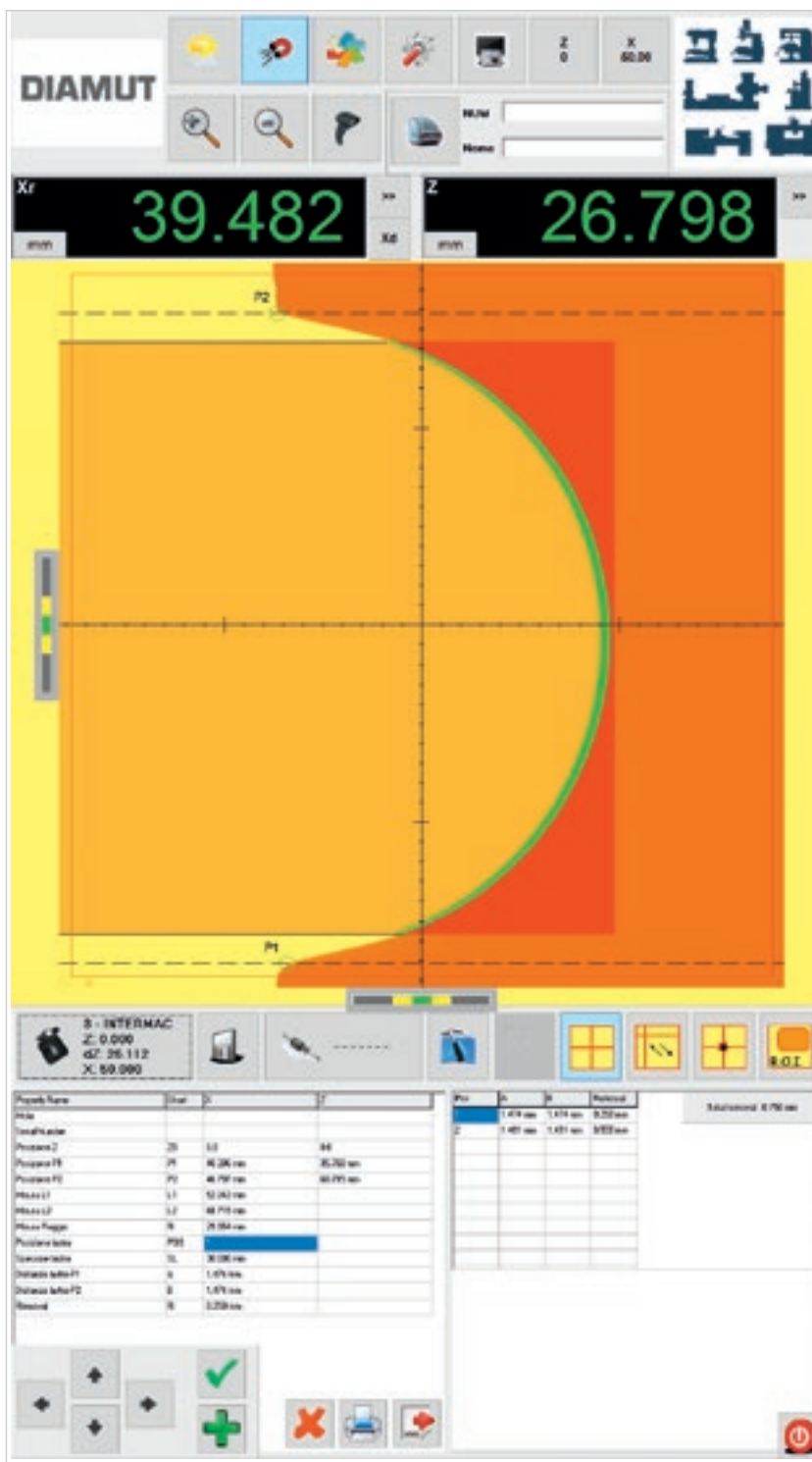
TOTAL DIMENSION (AxBxC)	1100x750x950mm
MAX DIAMETER MEASURABLE - MAX HEIGHT	250 $\phi$ - 200 mm
GROSS WEIGHT	180 Kg
POWER	Standard for US should be 110V (230V on request)
PNEUMATIC AXIS BLOCKING	Max 8 bar
MONITOR	22"
INTERCHANGEABLE TOOL SLEEVES	ISO40 - ISO50
SOFTWARE - HARWARE	Diamut Sotware - Windows OS with data Back up system (SSD hard drive)
CAMERA: VIEWING AREA - OPTICAL MAGNIFICATIONS	HD Telecentric Camera - 40 x 40 mm - 16X
CONNECTIVITY MACHINE	WI-FI / LAN (USB - 4PORT)
DATABASE	Storage of n° 200 origin cone and 40.000 type of tools
MACHINE FEATURES	Oversize heavy duty, steel duty, thermically stabilized steel. Double guides with SP* precision class. Recirculating bearing. Glass optical scale in sp class (*super precision)
CALIBRATING	Easy calibrating system with double spheres
OPTIONAL	* Label Printer (only Dymor®)
	** Support bench (810x 560 x 720H mm)



\* Printer



\*\* Support bench



All necessary information is displayed within a single monitor, dual monitors are available upon request.





# **ACCESSORIES FOR GLASS AND STONE PROCESSING**





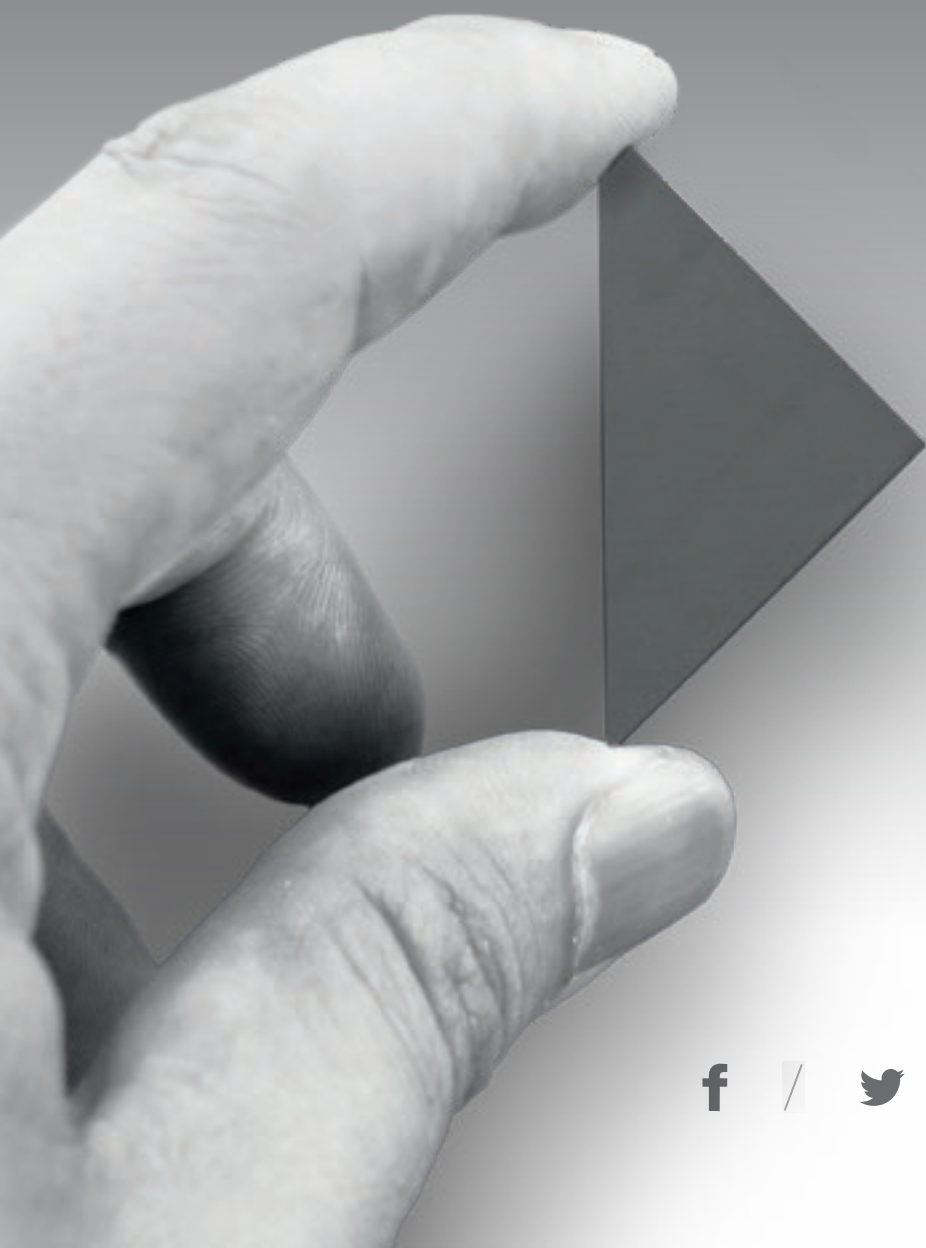
Using high technology tools it is possible to work any material, from stone, to ceramics, to synthetic and glass materials.

With personalized accessories and perfectly made for all types of tools, results can be obtained optimal.

**The range include:**

- ▣ TOOLHOLDERS
- ▣ SUCTION CUPS
- ▣ TOOL FORKS
- ▣ START UP TOOLS KIT
- ▣ GRINDER

# LIVE THE EXPERIENCE



BIESSEGROUP.COM

E



Interconnected technologies and advanced services that maximise efficiency and productivity, generating new skills to serve better our customer.

**LIVE THE BIESSE GROUP  
EXPERIENCE AT OUR  
CAMPUSES ACROSS  
THE WORLD**

 **BIESSEGROUP**



