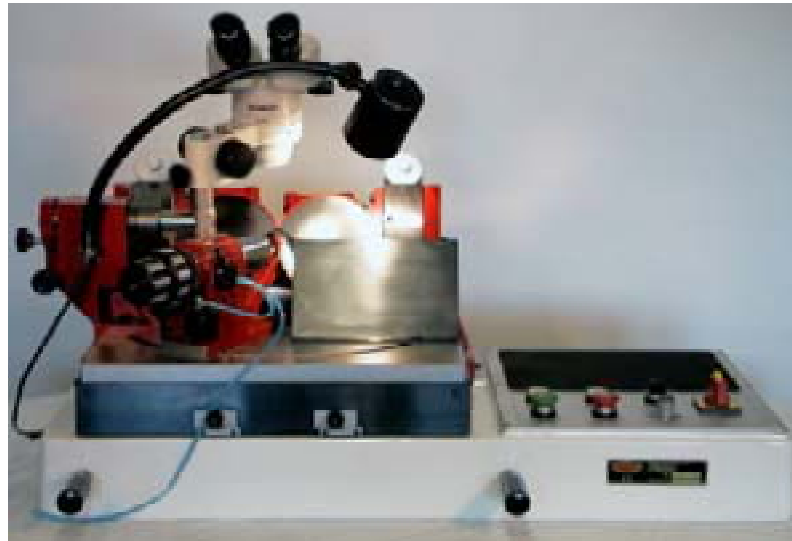


# SEMI-AUTOMATIC DRILL POINT GRINDER GAS-12



aus Löffingen



## IDEAL FOR FINISH-GRINDING OF CARBIDE DRILLS (FOUR-FACET MICRO-FINISH):

The Cleveland Semi-Automatic Four-Facet Carbide Drill Point Grinder Type GAS-12 is the economic model for finish grinding and re-grinding of carbide twist drills.

### FEATURES:

- Support during grinding
- Micro-finish of cutting surfaces
- hole-after-hole dependability
- Maximum cutting efficiency at minimum cost.

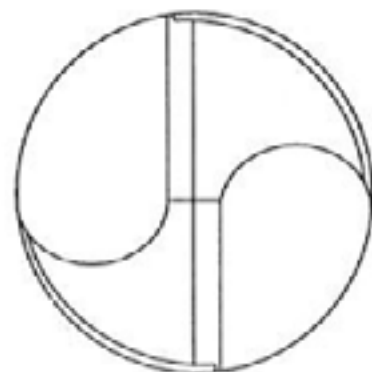
Easy micro precision adjustment  
guidance



Precision Drill-bushing and  
guidance



Quick drill change





aus Löffingen

## TECHNICAL DATA:

Standard design:	
Capacity	Right- and left-hand drills from 0,2 mm to 6,5 mm Ø (1/4")
Kind of grinding	2 and 4 facet drill point

Setting range:		
Point angle	[°]	90 - 180
Primary relief angle	[°]	0 - 30
Secondary relief angle	[°]	0 - 30

Adjusting optics:	
Microscope	with 15x and 45x Magnification (change of ocular)

Connections:	
Electrics	3 x 400 Volt / 50 Hz / N / PE

Design:		
Machine colour		grey / red
Weight	[kg]	approx. 150
Dimensions	L x W x H [mm]	850 x 400 x 500

Standard equipment:	
complete electric equipment with necessary switches, motors and lamp	
1 pc. Work spindle with tool holder (either F 4,5 or F 12 or for drill chuck)	
1 set of tools for grinding spindles	
1 pc. Flange each for holding grinding wheels with 32 mm hole diameter	

Options:	
Collets F 4,5 for range 0,2 - 3,2 mm Ø (in 0,1 mm steps)	
Collets F 12 for range 3,0 - 6,5 mm Ø (in 0,1 mm steps)	
Drill chucks 0-1/4" or 0-1/8"	
Drill bushings from 0,2 - 6,5 mm Ø (in 0,1 mm steps)	
Pneumatic clamping of the workpiece spindle	
Additional workpiece spindle	
Table	
Foot switch	
Diamond grinding wheels 125 mm Ø, D5, D10/20, D7, D30	
Dressing unit for Diamond wheels	
Electrics - OTHER	
Machine colour - OTHER	

Cleveland

Präzisions-Systeme GmbH

Hebelstr. 19 - 21

D - 79843 Löffingen

Germany

Phone: +49(0)7654-801-0

Fax: +49(0)7654-801-10

info@cleveland.de

www.cleveland.de