



Chamfering machine LG300 / LG450 / LG750

To produce straight outer edges on components of the optical industry

- The DAMA LG-series is designed to meet the high demands of the optical industry on facet quality and dimensional accuracy of straight or prismatic bodies.
- The design is based on the well proven prism carriage principle widely applied in metal-working equipment.
- Appropriate extensions and adaptations make this model particularly suitable for machining glass parts.
- Being portable the machine can always be placed where it is needed.
- Apart from a standard 230V mains connection nothing is required (110V available)
- Thanks to short set-up time and changeover possibilities within minutes, the appliance is equally suitable for individual pieces and series production.

- The sturdy housing assures quiet running of the machine.
- Tilting of the retaining prisms provides optimal access to smoothing wheel and cooling.
- The speed is steplessly adjustable.
- The facet height can be preset by a microscrew. Readjustment is possible at any time.
- The feed rate can be adjusted to suit the material quality by moving the prism carriage.
- Depending on the facet height the prism carriage is moved past the smoothing wheel at a faster or slower rate.
- There is no scratching as the prism carriage is moved on rollers over a ball bearing guide. This is a major advantage in case of previously polished surfaces.
- Scratch protection tape for already polished surfaces and holders for small components are available as options.
- Diamond tools of different grains are available.

Technische Daten

Type	LG - 300	LG - 450	LG - 750
Dimensions (l x w x h)	560 x 320 x 240 mm	840 x 320 x 240 mm	1440 x 320 x 240 mm
Prism length	300 mm	450 mm	750 mm
Process length	100 mm	250 mm	550 mm
Weight	20 kg	24 kg	29 kg
Motor drive	230 V / 50 Hz (110 V / 60 Hz available), 240 W		
Speed	10'000 - 19'000 rpm		
Smoothing speed	15 – 28 m/sec		
Smoothing wheel	Ø 30 mm, diamond		
Facet height	0,1 – 3 mm (in steps of 0.1mm)		
Cooling water tub	30 lt		
Cooling water connection	connecting piece at cooling head		
Drain pipe	at cooling tub		
Prism carriage 30°/60°	option	option	not available
Holders for small pieces	option		
Scratch protection tape	option		
Prism widening device	not available	Option	option

Subject to technical alterations