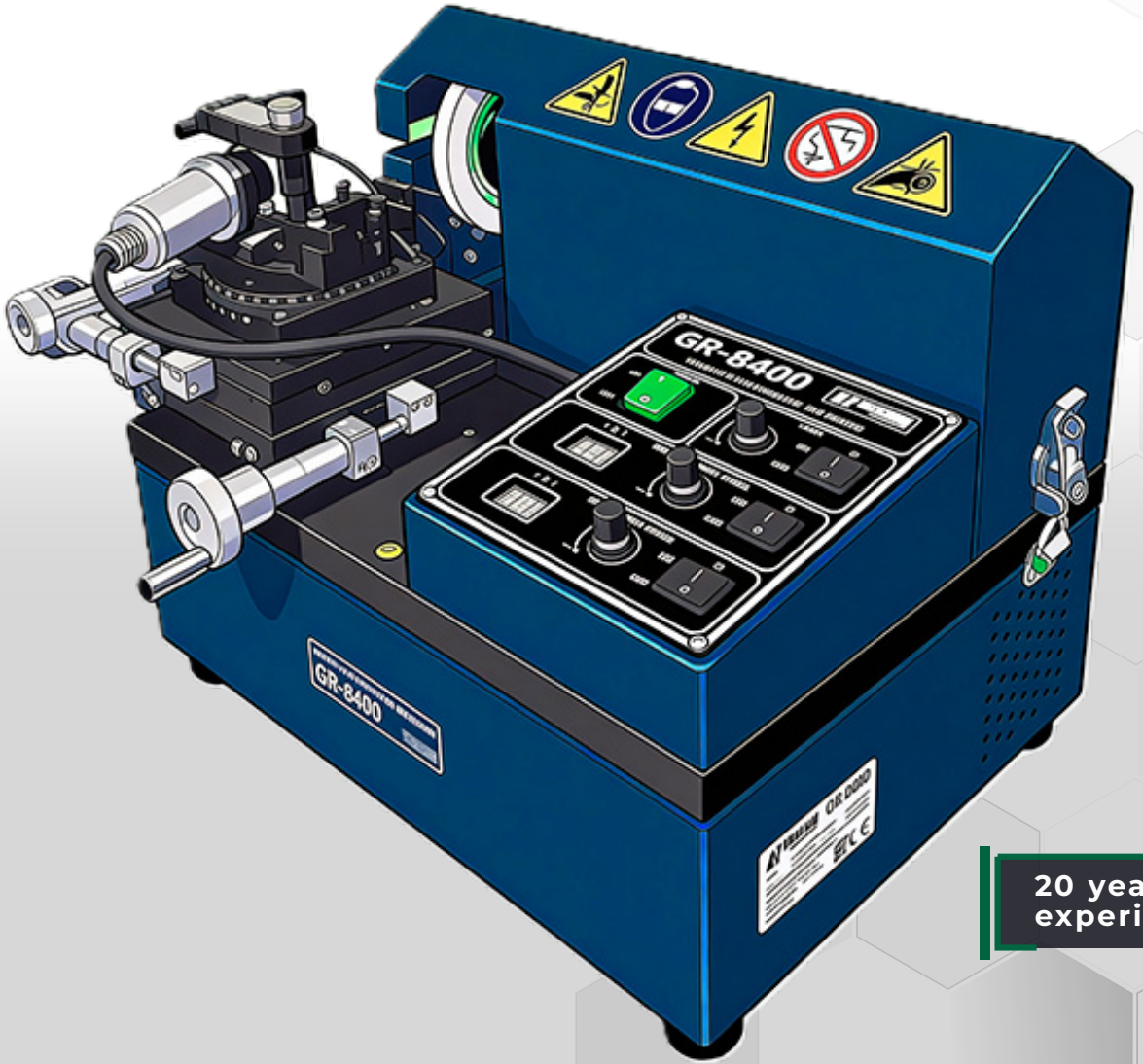
Dieselland Equipment



GR-SERIES MACHINES

PRECISION GRINDING MACHINES
FOR FUEL INJECTON COMPONENTS



20 years of experience

GR 7300/7400/7500

PRECISION GRINDING MACHINES

The GR-series machines are designed for grinding and sharpening of injector nozzles (needles) for fuel injection systems used in passenger cars, commercial vehicles, as well as components for industrial and marine engines, BOSCH Piezo injector valve pins, cylinder head valves, and other cylindrical or rotating parts.



KEY NOTES

- 270° — Worktable swivel angle
- 0-7500 RPM — Grinding wheel speed control
- 0-1000 RPM — Workpiece speed control
- 5 — Switchable grinding stones

Injector Nozzles · PiezoComponents · Valves

TECHNICAL DATA

GR-7300/7400/7500

GR-7500

On request



Workpiece rotation speed control	Unavailable
Grinding wheel speed control	Unavailable

GR-7400

On request



Workpiece rotation speed control	%
Grinding wheel speed control	%

GR-7300

On request



Workpiece rotation speed control	RPM
Grinding wheel speed control	RPM

TECHNICAL DATA TABLE

Parameter	GR-7500	GR-7400	GR-7300
Max. cross travel	± 12,5 mm	± 12,5 mm	± 12,5 mm
Max. longitudinal travel	± 12,5 mm	± 12,5 mm	± 12,5 mm
Worktable swivel angle	270°	270°	270°
Spindle speed	7500 RPM	7400 RPM	7300 RPM
Workpiece rotation speed	1000 RPM	1000 RPM	1000 RPM
Main motor voltage	36 V	36 V	36 V
Speed control	PWM regulators	PWM regulators	Microprocessor
Power supply voltage	~220 V ± 15 %	~220 V ± 15 %	~220 V ± 15 %
Overall dimensions (L×W×H)	360×320×280mm	360×320×280mm	360×320×280mm
Housing dimensions (L×W×H)	340×240×260mm	340×240×260mm	340×240×260mm
Net weight	35 kg	35 kg	35 kg

SET OF DELIVERY

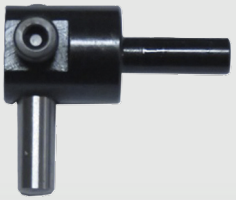
GR-7300/7400/7500

DL-UNI20200



Grinding wheel, grit 400

DL-NG31290



Extension for installing long parts for grinding

DL-NG31309



Pen for dressing the grinding wheel

DL-NG31264

Pulley Ø15x3 for the injector needle

DL-NG31264-01

Pulley Ø15x4 for the injector needle

DL-NG31264-02

Pulley Ø15x5 for the piezo injector valve holder

DL-NG31196

Pulley Ø15x7 for lapping



Cable & Manual



ADDITIONALS 1

GR-7300/7400/7500

DL-UNI20030



Microscope set USB, HDMI 14 MP

DL-UNI20027



Microscope set HDMI USB 180P FHD 38MP

DL-GR1080



Angle measuring kit

DL-GR1090



High Precision Angle Measurement Kit

DL-UNI20200



Grinding wheel, grit 400

DL-UNI20201



Grinding wheel, grit 200

ADDITIONALS 2

GR-7300/7400/7500

DL-UNI20202



Grinding wheel, grit 100

DL-UNI20203



Grinding wheel conical, grit 320

DL-UNI20204



Grinding wheel conical, grit 230

DL-GR1050



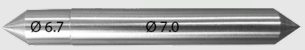
Wheel holder (mandrel)

DL-CR50209



Collet cartridge holder (collet) for the valve of BOSCH piezo injectors

DL-NG31263

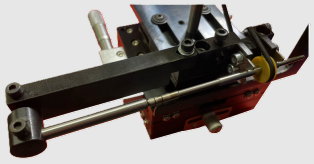


Gauge for setting the angle of 60 degrees

ADDITIONALS 3

GR-7300/7400/7500

DL-NG31866



Stop extension for DL-GR7300/400/500 machines

DL-GR1070



Balancing device

DL-GR1060



Shaft for balancing grinding wheel

DL-NG31253



Mandrel holder for the valve (pin) of the BOSCH piezo injector

DL-NG50196



Wheel remover with mandrel with spindle taper

GR 8400

PRECISION GRINDING MACHINE

The GR-8400 machine features enlarged prisms and an extended worktable. The worktable can be positioned in one of 9 different locations on the machine base plate, depending on the part size and the required grinding angle.



KEY NOTES

- 270° — Worktable swivel angle
- 14 — Different sized pulleys for larger parts
- 5 — Different sized holders
- 5 — Switchable grinding stones

Marine parts · Heavy-Duty Vehicles parts

SET OF DELIVERY

GR-8400

DL-GRB32015



Extended workpiece support for GR-8400 grinder

DL-GRB32021



Workpiece support extension for GR-8400 grinder

DL-GRB32016



Diamond dressing tool holder for GR-8400 grinder

GR-8400 Set of Delivery includes all items from GR-7000 series basic set!

ADDITIONALS 1

GR-8400 SPESIFIC

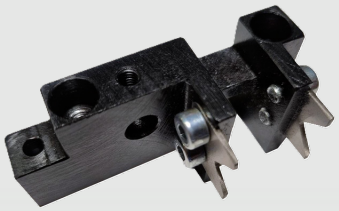
DL-GRB32020



Large plastic prism for GR-8400 machine

TBA

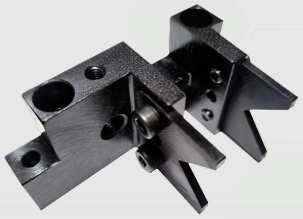
DL-GRB50436



Small prism holder assembly for GR-8400 machine

TBA

DL-GRB50437



Large prism holder assembly for GR-8400 machine

TBA

ADDITIONALS 2

GR-8400 SPESIFIC



PULLEYS FOR GR-8400

€ 35.00/pc

TECHNICAL DATA

GR-8400

TECHNICAL DATA TABLE

Parameter	GR-8400
Max. cross travel	± 12,5 mm
Max. longitudinal travel	± 12,5 mm
Worktable swivel angle	270°
Spindle speed	7400 RPM
Workpiece rotation speed	1000 RPM
Main motor voltage	36 V
Speed control	PWM regulators
Power supply voltage	~220 V ± 15 %
Overall dimensions (L×W×H)	470×340×300mm
Housing dimensions (L×W×H)	370×270×300mm
Net weight	42 kg