



Production of materials testing equipment and automation

Automatic specimen preparation notching machine LabTest VRE



Made in Czech Republic

Labor Tech

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equipment and automation

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... od vývoje p realizaci

Description and use of the machine

Machine VRE is designed for preparing V and U notches for specimens used for impact resilience tests according standards EN ISO 148-1, ASTM E23, GOST 9454, EN ISO 179. Automatic notching machine VRE is constructed for use of one or two cutting knives simultaneously. With stepless speed control it is possible to perform milling of V or U notch into any material with hardness not exceeding 40 HRC. Thanks to a sophisticated system of trapping, milled off chips are collected in the lower part of the machine where they can be easily and safely removed. The machine was designed so that, in conjunction with optical check of specimen device OPTOLab 55 II, it forms integrated equipment that provides 100% specimens for notch toughness tests.

Properties and function

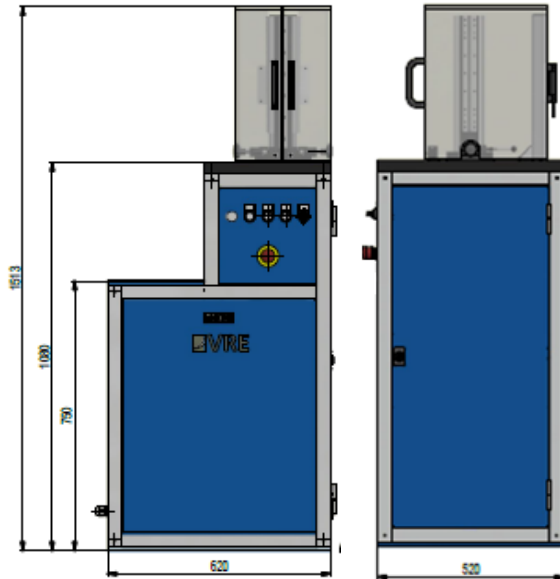
- Very rigid design of the machine ensures accurate test results
- Ideal ergonomic design
- Possibility of milling two notches simultaneously
- Easy cutting knife replacement for V2, U2, U3, U5 and subsequent adjusting
- Very fast speed of notch milling
- Automatic cycle of notch milling
- Freely adjustable speed of notch milling
- The protective cover with a security electronic lock ensures entirely safe operation in accordance with EN ISO 13849-1 / 2
- Centrally positioned controls ensure entirely easy operation of the machine
- The machine meets all necessary safety requirements such as EN ISO 12100:2010, EN356, DIN 51333, EN ISO 13849 and other European standards

Basic machine contains

- 1 rigid base of the machine with precise design
- 1 preparation for cutting knives
- 1 adjusting fixture
- 1 protective safety cover with electronic lock
- 1 AC motor with inverter and stepless speed regulation
- 1 storage shelf for specimens and knives
- 1 preparation for OptoLab 55 II connection
- 1 documentation in English

Accessories

- V and U cutting knives according required standards
- Optical check of specimen dimensions **OptoLab 55 II**
- Mechanic check „Caliper Gauge“



[Play video](#)



Technical data	Jednotky	VRE
Machine type		vertical
Stepless speed control	mm/min	1000 - 2500
Length of elongation	mm	324-350
Specimen types	mm	55 x 10 (7,5-5,5-2,5)
Max. specimen hardness	HRC	40
Dimensions (W x D x H)		620 x 520 x 1507
Colour finish		RAL 5015 (according customer requirements)
Maximal noisiness	dB	< 75
Weight	Kg	230
Voltage	V/Hz	230/50
Machine input	VA	1100

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