

# FOBA®

Technology + Services

A **VIRTEK** Company

## Laser systems for marking and engraving



For many years we have been supplying industry-standard systems for laser engraving. Around 10 years of development experience have resulted in a complete family of machines in which function and design combine to satisfy practical needs. The use of the most modern components guarantees the necessary precision for laser processing. All Vario series machines are laser class 1 systems.

The **Vario series** offers you a standardised, modular and low-cost series of machines.

- Stand-alone system in laser class 1 design
- Compact machine system with lower floor space requirement
- Simplified connection requirements mean fast initial operation
- Ergonomic design of the working area
- Design to industry standard in IP 54
- Can be used for multi-shift operation



Version Vario RD with options

### Applications

Permanent marking and engraving (depending on basic system) of almost all materials. Especially suitable for processing individual parts and small series.



## Vario series

Laser marking equipment

Practical Brilliance in Lasers

# Vario series

## Laser marking equipment

### Working area

with fixed worktable	
Vario-S	pneumatic lifting door
with rotating table	
Vario-R	d=600 mm pneumatic lifting door
Vario-RD	turning bulkhead wall

Special types

### Basic module

Laser system	DP15, DP50 or LP100
Machine body	Welded construction/aluminium profiles
Components	Water/air cooler (DP15, DP50)
	Water/water cooler (LP100)
	Z-axis (with step motor) for height adjustment of the laser head
	1 axis step motor control
	Control cabinet cooling Operating and display units

### Software

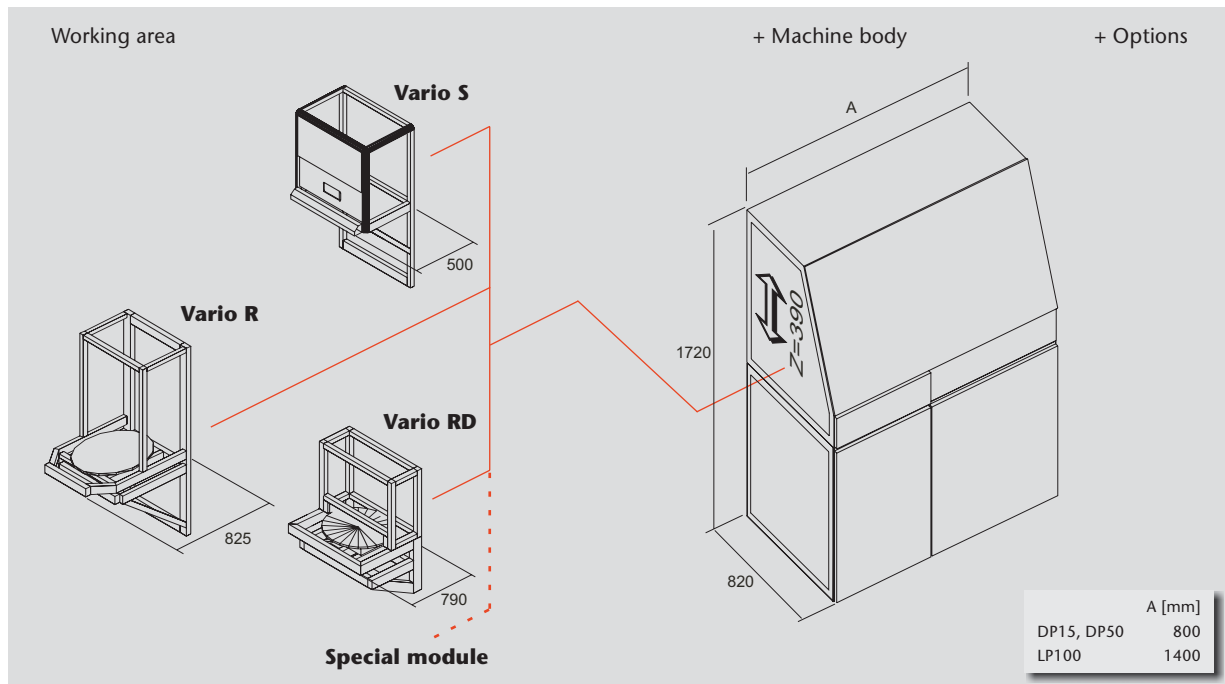
Control system	modular CompactPCI-PC
Operating system	MS Windows® 2000
Laser control	FOBAGRAF with import function of plt, dwg, dxf, ai, jpg, tif, pcx, bmp ...
Interfaces	serial, digital I/O, Ethernet, USB
Machine control	

### Options

Side loading	Modification of working area
TFT monitor/keyboard	separate
Rotating table	d=680 mm
Bulk head wall	300 mm high
Interchangeable lenses	
Pointer	
Suction filter	

### Installation

The way the unit is set up depends on the design of the working area and the integrated laser system.



Subject to technical alterations, Dimensions without obligation 2004-08

End to end excellence in laser systems

**FOBA**<sup>®</sup>  
Technology + Services  
**AVIRTEK** Company



#### EUROPE

FOBA Technology + Services GmbH  
www.foba.de  
sales@foba.de

Postfach 15 60  
D-58465 Lüdenscheid  
Germany

Tel. +49 2351 996-0  
Fax +49 2351 996-155

#### NORTH & SOUTH AMERICA

Virtek  
www.virtek.ca  
fobasales@virtek.ca

785 Bridge Street  
Waterloo, ON N2V 2K1  
Canada

Tel. +1 800 684-7835 or 519 746-7190  
Fax +1 519 746-3383

#### ASIA

Virtek Asia Pacific Inc.  
www.virtek.ca  
asia.sales@virtek.ca

Eru Building, 2<sup>nd</sup> Floor  
3-14-6 Higashikashiwagaya  
Ebina City, Kanagawa, 243-0401, Japan

Tel. +81 46-292-0739  
Fax +81 46-292-0793