

**ASYS  
GROUP**

# INSIGNUM 1000 Laser



## INSIGNUM 1000 Laser – Drawer System

### Dimensions

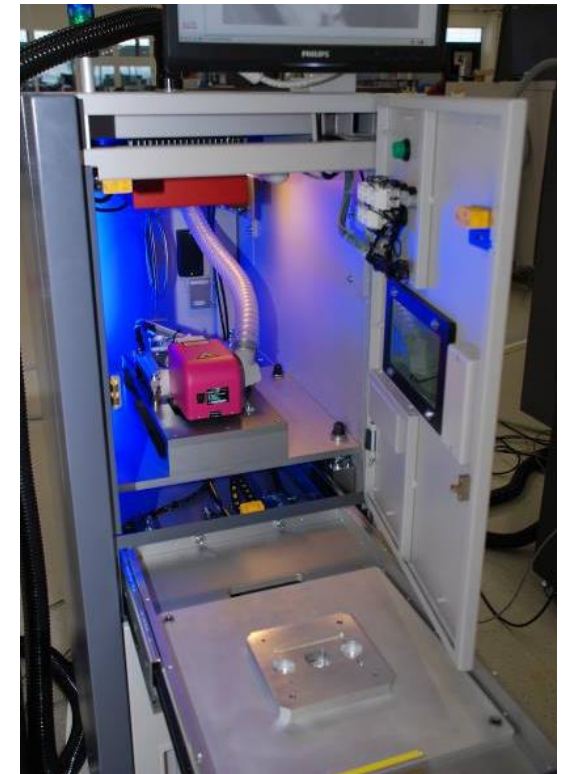
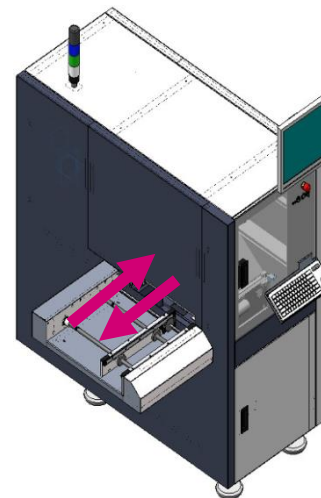
- › Length: 530 mm
- › Width: 1000 mm
- › Height: 1480 mm
- › PCB width: 300 mm
- › PCB length: 300 mm
- › Component clearance: 80 mm
- › Other clearance: on request

### Other Key Data

- › Electrical connection: 230V/50Hz  
115V/60Hz
- › Pneumatic connection: 6 bar; 10 NI/min
- › Transport height: 850 mm ± 50 mm

## INSIGNUM 1000 Laser – Characteristics

- › Modular and configurable
- › Drawer (offline) or transport system (inline)
- › Integrated flip station available
- › Manual positioning of laser unit possible
- › Laser from above or below
- › Manual loading via inlet conveyor



## INSIGNUM 1000 Laser – Areas of Application

- › Housing marking
- › Small batch production
- › Prototypes



## **INSIGNUM 1000 Laser – Performance Data**

### **Marking Area:**

100 mm x 100 mm

(Other marking areas on request)

### **Module Size:**

5 mil (0,127 mm)

### **Codes:**

Data Matrix

ECC200 Code 39,

Code 128,

2/5 Interleaved

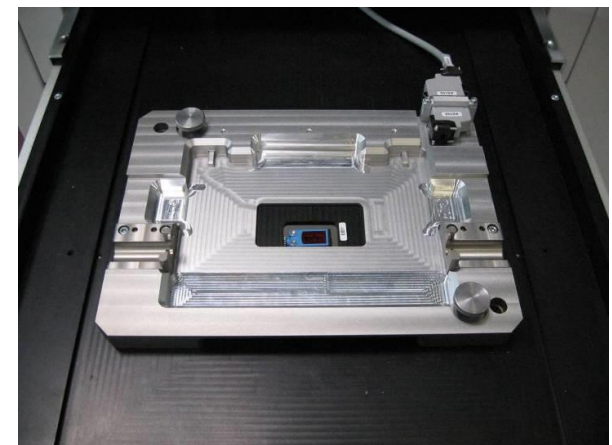
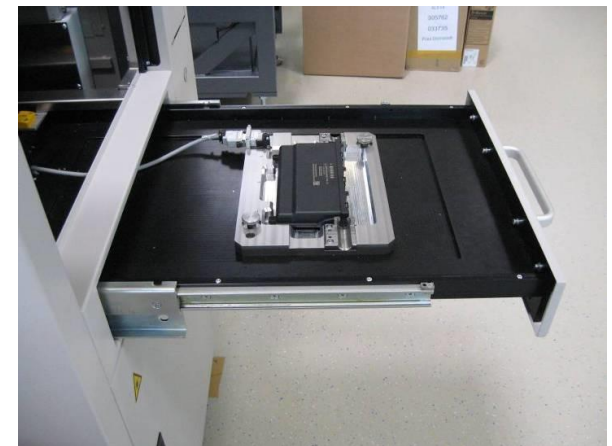
### **Repeat Accuracy:**

± 0,5 mm

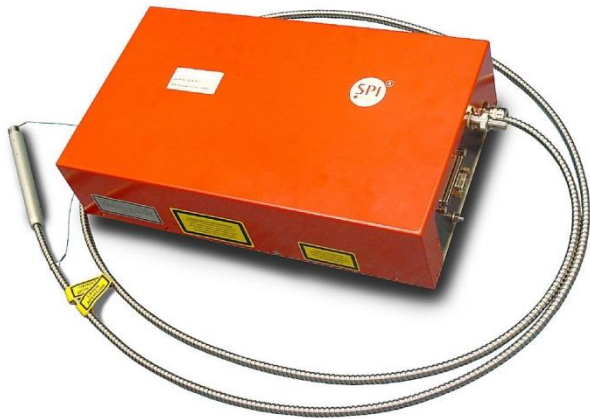


## INSIGNUM 1000 Laser – Drawer Adapter

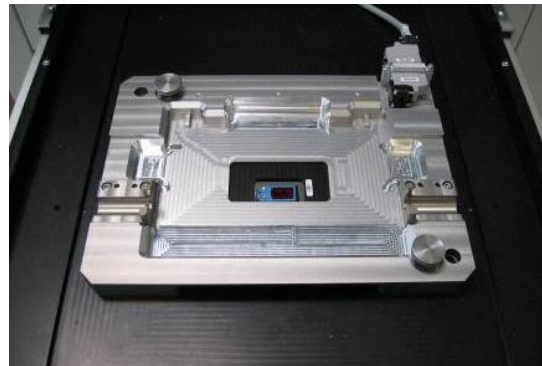
- › PCB formats up to 300 × 300 mm
- › component clearance +80 mm
- › manual opening and closing
- › product-specific adapter design by ASYS or by the customer
- › the product is moved via the adapter into the laser focus field
- › nest coding



## INSIGNUM 1000 Laser – Laser



Fibre Laser 12 Watt



Product-specific nest  
including nest coding



Exhaust

## INSIGNUM 1000 Laser – Transport System

### Dimensions

- › Length: 530 mm
- › Width: 1550 mm
- › Height: 1480 mm
- › PCB width: 460 mm
- › PCB length: 460 mm
- › Component clearance: 40 mm

### Other Key Data

- › Electrical connection: 230V/50Hz  
115V/60Hz
- › Pneumatic connection: 6 bar; 10 NI/min
- › Transport height: 850 mm ± 50 mm



## INSIGNUM 1000 Laser – Performance Data

### **Marking Area:**

140 mm x 140 mm

(Other marking areas on request)

### **Module Size:**

7.5 mil (0.191 mm)

### **Codes:**

Data Matrix ECC200 Code 39,  
Code 128, 2/5 Interleaved

### **Repeat Accuracy:**

± 0.5 mm



## Vacuum unit

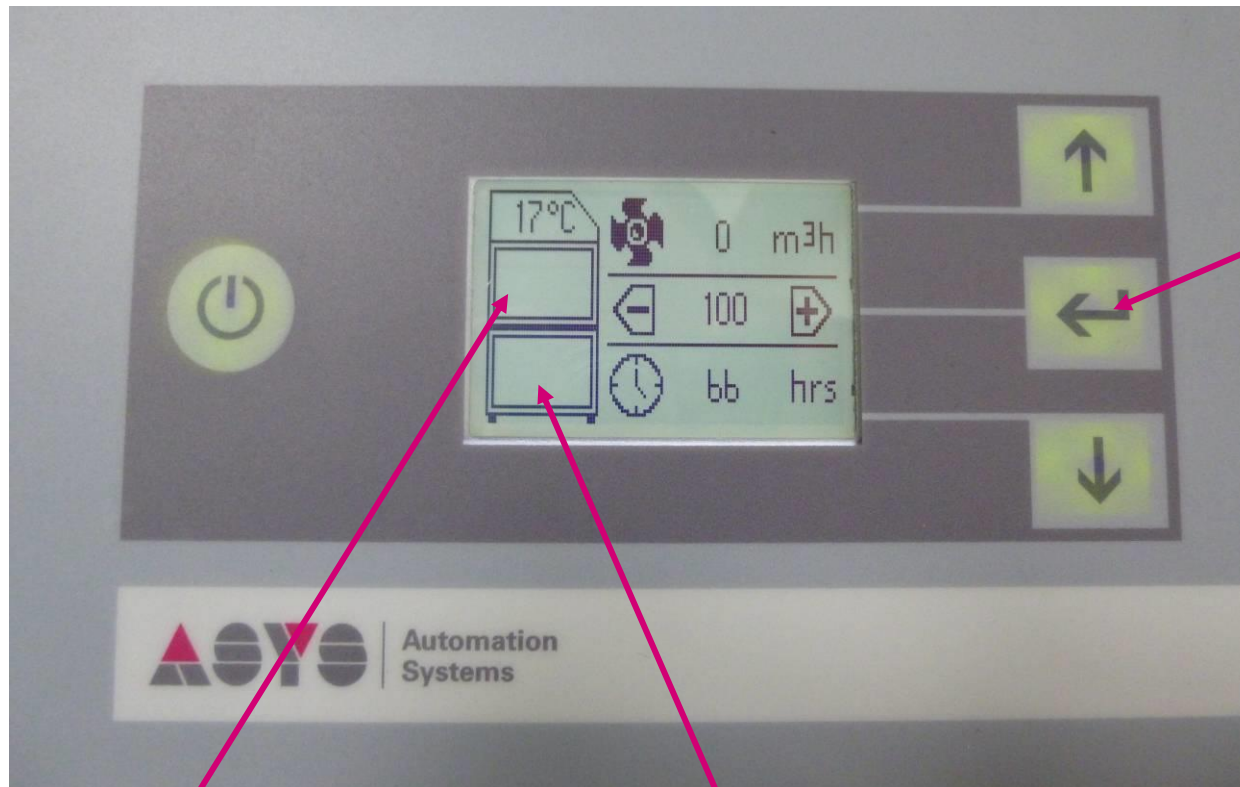
### Technical specifications

Footprint:      Length: 430 mm  
                     Width: 430 mm  
                     Height: 980 mm

Weight:          75 kg  
Capacity:        380 m<sup>3</sup>  
Output:          1.1 KW  
Fuse:            16 A  
Noise level:    60 dB



## Vacuum-unit



Adjustable througput

Filling level of the carbon-filter

Filling level of the pre-filter