



Machine Protection Door  
**RapidRoll® 3000**

Protection and Safety for Automated Processes



# RapidRoll® 3000

as Machine Protection Door e.g. used in laser applications



The RapidRoll® 3000 is, due to its combination of high speed, long life length and robust aluminium door curtain, well suited for machine protection applications. A nearly service free drive system and small mounting space is an other advantage.

The RapidRoll® 3000 is qualified as a laser protection door because of its double-walled panels and the design of the profiles which leads to an overlapping like a labyrinth of two profiles. As a result of this unique construction the laser beam can not burn through the door curtain.

## ADVANTAGES OF ALBANY RAPIDROLL® 3000 MACHINE PROTECTION

- Suitable for universal use
- Labyrinth connections between the panels take care of a laser proof curtain
- Rapid opening and closing ensures a short cycle time
- Protection against flying sparks, dust, noise or welding sparks
- Personnel protection in danger zones of the machine
- Safety limit switches according to EN 954-1
- Doors conform to EN 292 and EN 1088
- Microprocessor control of the door allows individual programming to meet customer special needs
- Versions conforming to various company standards are possible
- High reliability even after years of high number of cycles (up to 3 cycles per minute or 1 cycle/20 s)

## APPLICATION

- Laser facilities for e.g. welding and cutting
- Automatic welding systems
- Cutting systems
- Milling machines
- Painting systems
- Workpiece handling
- Tool handling
- Presses
- Conveyor systems
- Elevator and high-bay storage systems

## PROTECTION

The door is tested by BG according to EN 60825-4 with a 4 kW laser and focus distance 3 and the laser beam didn't burn trough after 100 sec.

## CONNECTING TO THE MACHINE

- 2 potential-free safety contacts when the door is closed
- 1 output when the door ist opened
- 1 output when the door is closed
- 1 output for faults
- Controlling the door is accomplished by potential-free contacts

## SAFETY LIMIT SWITCHES

- Safety limit switches, category 3 or 4 according to EN 954-1
- Delivered with safety monitoring module as standard
- Alternatively, the system can be delivered without a safety monitoring module where the safety category then depends on the machines safety systmes.

## NOISE PROTECTION

The RapidRoll® 3000 allows a noise protection up to 25dB(A).

The door ist certified according to EN 60825-4 with a 4 kW laser and focus distance 3.

**ALBANY DOOR SYSTEMS**  
**WWW.ALBANYDOORS.COM**

**ASIA**  
KIARA PARK 172-3-2 • JLN. BURHANUDDIN  
HELMI  
TTDI, 60.000 KUALA LUMPUR • PHONE: +60 (0) 3 77 27 01 84  
INFO.ADS.MY@ALBINT.COM

**AUSTRALIA**  
23 FAUNCE ST. WEST GOSFORD • 2250 NSW • PHONE: +61 (0) 2 / 43 23 23 86  
SALES.ADS.AU@ALBINT.COM

**GERMANY**  
AM MONDSCHHEIN 25 • 59557 LIPPSTADT • PHONE: +49 (0) 29 41 / 766-0  
VERKAUF.ADS.DE@ALBINT.COM



## SWEDEN

BOX 509 • S - 301 80 HALMSTAD • PHONE: +46 (0) 35/14 73 00  
SALES.ADS.SE@ALBINT.COM

## USA

975-A OLD NORCROSS ROAD • LAWRENCEVILLE • GA 30045-4321  
PHONE: +1 (0) 7 770 / 338 / 5000 • SALES.ADS.US@ALBINT.COM