

Sentinel Bandsaw

After more than 50 years manufacturing bandsaws, now it's time to take it to the next level.

Sentinel is a new generation of bandsaws equipped with patented **MAINCA Vision system**: a unique system with **DUAL DETECTION** using a single rubber glove with no connection to the machine (an upper camera detecting the colour of the glove and a lower sensor on the cutting table detects fingers hidden under the product thanks to the exclusive Sentinel detectable glove).

The system is completed with a durable and extremely efficient pneumatic brake located inside the machine being able to stop the blade in just a few milliseconds. It needs 8bar pressure air line. Optional built-in compressor.

No broken or damaged blades. Immediate restart and very easy to clean.

Very low and cheap maintenance: Over 3,000 stops without replacing any part.

Touch panel with interface for adjusting different settings: multiple detection areas, user registration, emergency stop records, glove check frequency, etc.

EC type Certification (Directive 2006/42/EC - Standard EN 12268:2014).

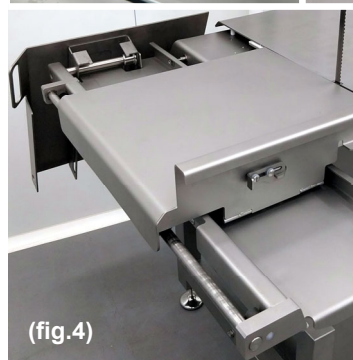
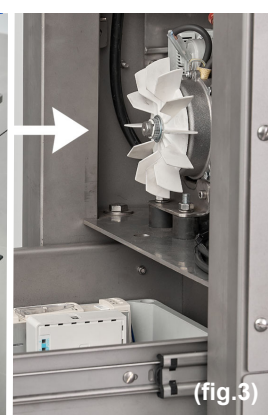
An affordable priced machine that dramatically reduces injury risks



BS-2800 LHS



DUAL DETECTION



Construction: Completely made in stainless steel AISI 304, including the wheels.

Wheel diameter: 300 mm (12") **Band length:** 2720 mm

Cutting height: 360 mm **Cutting thickness:** 280 mm

Blade speed: 20 meter/second (4,000 feet/minute)

Motor Voltage: 3ph 230-400V 50Hz / 220-380V 60Hz.

Packing: 1100 x 1220 x 2168 mm **Gross weight:** 510 Kg

Ref.	Article
	BS-2800 LHS with fixed cutting table & upper camera detection
1BS28R4R	3 phase motor 4 HP / 3 kW Class IE3
1BS28R5R	3 phase motor 5.5 HP / 4 kW Class IE3
	Options
D	Glove sensor on the table (fig.2)
P	Built-in compressor (fig.3)
C	Half sliding table (fig.4)
F	Foot emergency stop (fig.5)

The standard model includes only one detection system, the upper camera (fig.1). In order to get the complete **MAINCA Vision system with DUAL DETECTION**, you need to add the optional glove sensor (fig.2).

The use of Sentinel detectable gloves is imperative in both cases to ensure a proper operation. See next page.

Sentinel Detectable Glove



Applications: Food Processing & Pharmaceutical Industry

Reusable, resistant and durable glove. Easy-on-easy-off.

Anti-slip pattern for good grip in wet and dry conditions.

Extra Light weight for better sensitivity.

Higher detectability than any other reusable or disposable metal detectable glove in the market.

The only glove approved to be used with MAINCA Sentinel bandsaws



Glove Physical Dimensions

*Circumference in mm, +/- 5 mm

mm	Palm *	Wrist *	Cuff *	Length
Size 6	198	183	248	300
Size 7	208	190	251	300
Size 8	215	202	268	300
Size 9	235	226	280	300
Size 10	250	237	293	310

Magnetically Detectable Natural Rubber Glove



Compliant with (EC) 1935:2004 & EU 10/2011 and BfR XXI standards.

CE Certifications:

Conforms to PPE Regulation EU 2016/425 to (Complex Design)

Personal Protective Equipment after assessment against standards:

EN 374-1:2016+A1:2018, EN 374-5:2016, EN 388:2016+A1:2018 and EN ISO 21420:2020.

Ref.	Article
	Sentinel Detectable Glove
5BSGLOVE6	Size 6 (12 pairs bag)
5BSGLOVE7	Size 7 (12 pairs bag)
5BSGLOVE8	Size 8 (12 pairs bag)
5BSGLOVE9	Size 9 (12 pairs bag)
5BSGLOVE10	Size 10 (12 pairs bag)