

*"DC300A CutMaster" – Precision cutting with fully automated and extremely compact band saws.*

The Slovenian company PETRA Machines Ltd., headquartered in Ljubljana ([www.pe-tra.com](http://www.pe-tra.com)), develops, produces and sells industrial band saws. The drive unit on the DC300A CutMaster is the hollow shaft version of the WATT MAS shaft mounted geared motor. The saw band speed is controlled using frequency converters. The system can also be equipped with a numberless of options.

#### PE-TRA DC300A CutMaster:

The PE-TRA CutMaster (figure 2) is a fully automated high-performance band saw in a two-column construction; the perfect design for continuous production.

The machine is used for automatic cutting of different types of steel, grey cast iron, cast iron, non-ferrous heavy metals, solid material, pipes and profiles.

Thanks to innovative design solutions, the machine is very compact in comparison to competitor units. Despite its minimal size, it delivers precise and reliable cutting of workpieces up to 300 x 300mm with saw band dimensions of 4150 x 34 x 1 mm.

#### Benefits:

- Low price per cut thanks to low investment and maintenance costs
- Extended service life of the band thanks to the 35° inclined frame position
- Shorter cycle time thanks to adjustable height limitation with retraction
- Increased productivity
- Reduced power consumption

The saw band is driven by a WATT ASA 66A 101LA4 shaft mounted geared motor (figure 1). This maintenance-free gear unit impresses thanks to its high efficiency level, offering reduced power consumption as a result. The saw band speed is set using frequency converters to between 20 and 120m/min depending on the material being cut.

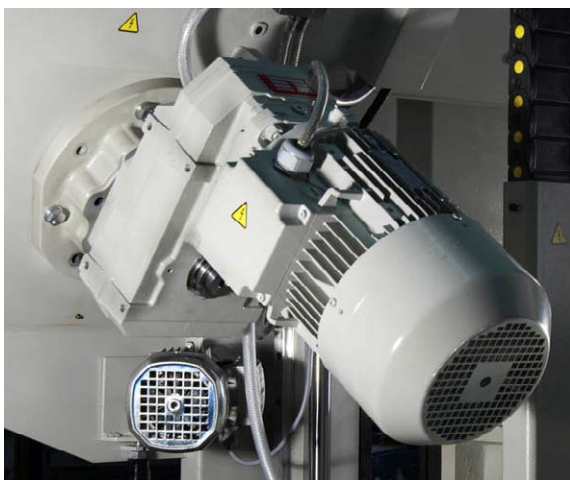
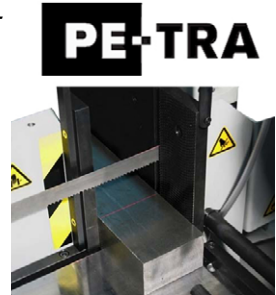


Figure 1 – ASA 66A 101 LA4



#### Drive data:

Performance P <sub>1</sub> :	3.0 kW
Voltage/frequency:	400/690V, 50Hz, D/Y
Protection rating/ISO class:	IP55/F
Terminal box position:	2

#### WATT MAS shaft mounted geared motors:

In addition to their compact design, this range of shaft mounted geared motors up to 14,000 Nm and 55 kW motor output offers a high efficiency level with minimized backlash. Thanks to the universal design of the housing, the flange version of the gear unit with side mounting surfaces can be used in many different ways.

The drive units can be supplied with hollow shaft, solid shaft and hollow shaft with shrink disk as standard. High flexibility for customised solutions such as special hollow shafts can be implemented even for small production runs thanks to the modular system.



Figure 2 – PE-TRA DC300A CutMaster

For more information on the WATT product range, please visit our website at [www.wattdrive.com](http://www.wattdrive.com).