



### **WATT EUSAS system motors in standard IEC dimensions used in milling machines BL100 and BL100A for wooden house construction.**

The company AUERTECH, headquartered in Abtenau, Austria, is a young, flexible business specialising in the manufacture and sale of machines for the construction of wooden houses. Watt Drive supplies this customer with modern motor technology from the modular motor drive system.

The main product line from the AUERTECH company is the BL100 milling machine for modern wooden house construction, which was developed and produced in-house.

The BL100 with manual workpiece infeed and automatic machining process, and the BL100A with the addition of a transport and positioning system, are two of the machine versions available.

Thanks to the modern PC control and pre-installed software, all the pieces for an entire wooden building can be produced at the touch of a button with minimal waste.

The work process, triggered by a two-handed clamping – milling – sawing or drilling operation, is carried out automatically.

EUSAS system motors are used as drive motors for the individual work stages.

Watt EUSAS standard motors to DIN EN 50347 are available in the designs WAG, WAF and WAC. The drives used in the wood processing machines are equipped with wide-range voltages and can therefore be used worldwide.

#### **Machining units in the BL 100/BL 100A:**

4-way milling machine: Horizontal:	2 x 3 kW
	Vertical: 2 x 4 kW
Face groove cutter:	3 kW
Drilling unit:	1.5 kW
Flashing saw:	4 kW



Fig. 1: Face groove cutter with WAC 101L2 TH (3kW)

The face groove cutter (Figure 1) is used to produce the grooves for the ends of the workpieces. The 4-way milling machine (Figure 2) is used to produce the corner joints. The workpieces are cut to length using the integrated flashing saw.

#### **Watt EUSAS standard motors:**

The motor technology used forms part of the modular motor system from Watt Drive.

The motors are fitted with safety devices for TH temperature monitoring. The thermal protection contact is normally closed and opens when the temperature of the coil reaches the danger zone for the insulation.

Watt customers also have the option of accessing modified standard motors. Due to the modular concept, the delivery times for custom drive solutions are kept short.

#### **Benefits to the customer:**

- **High thermal overload capacity**  
(insulation class F utilised according to B)
- **Compact motor terminal boards**  
(low installation height)
- **Robust bearing design**  
(Watt standard)

#### **Motor system:**

Based on a standard motor, countless custom mechanical and/or electric motor modules can be built on:

- Brakes (-BR)
- Backstops (-RSM)
- Encoders (-IG)
- Forced cooling (-FL)
- Temperature sensors (-TH, TF, KTY,...) ...



Fig. 2: 4-way milling machine with drive motors (3 or 4kW)

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