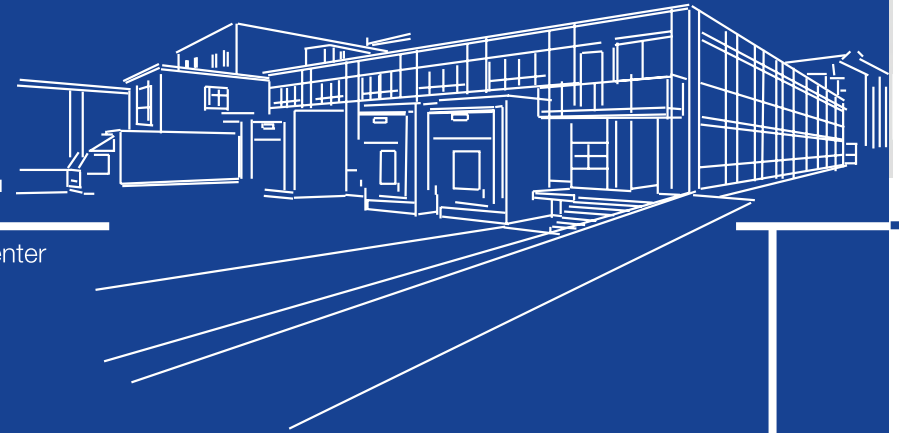


Our drive. Your success.



Logistic Center



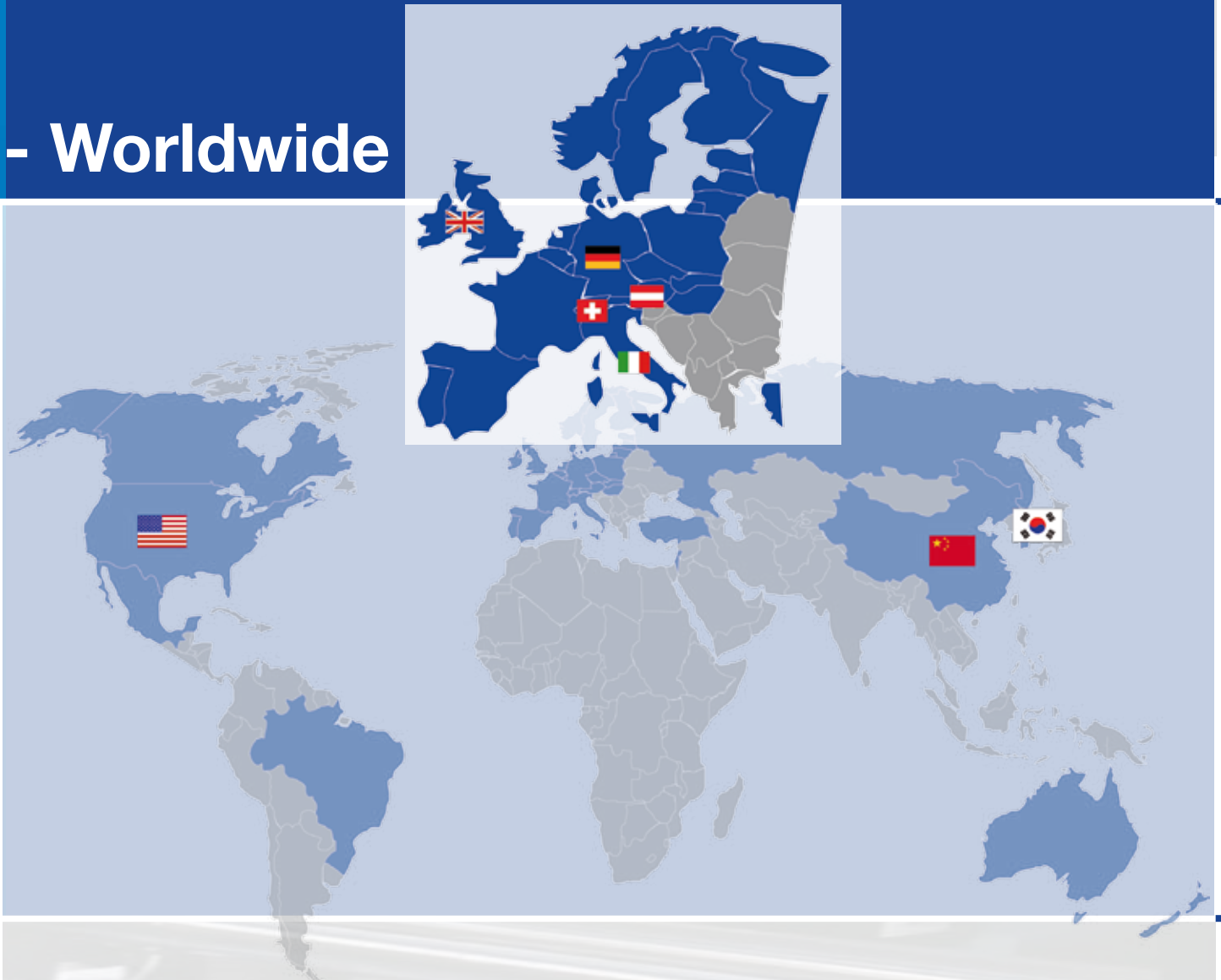
Headquarters

... for more Efficiency in Woodworking Machines









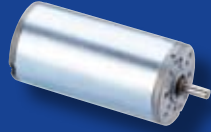

Dunkermotoren is a customer-oriented, innovative, quality- and environmentally conscious company. Our strength is the realisation of complete drive solutions. Based on our sophisticated modular system and the extensive range of standardised components, we are in the position to configure and manufacture customised solutions at short notice.

Dunkermotoren - Worldwide

- Headquarters in Bonndorf, Germany
- Production facility and logistic center in Taicang, China
- Logistic center in Hingham/ MA, USA
- Representatives worldwide
- Dunkermotoren offices in D, CH, AT, GB, IT, Korea, USA, China

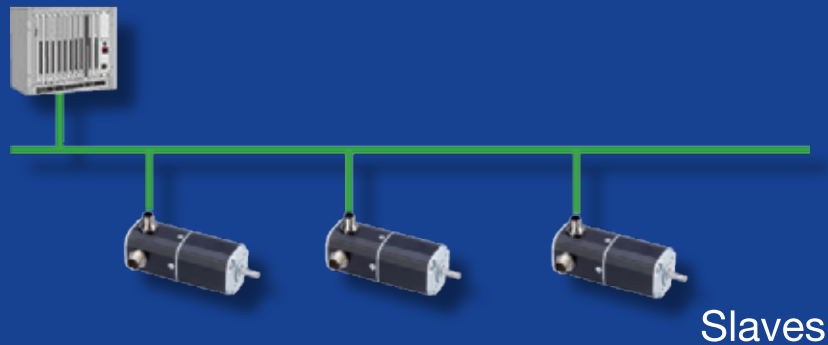


Dunkermotoren - Modular System

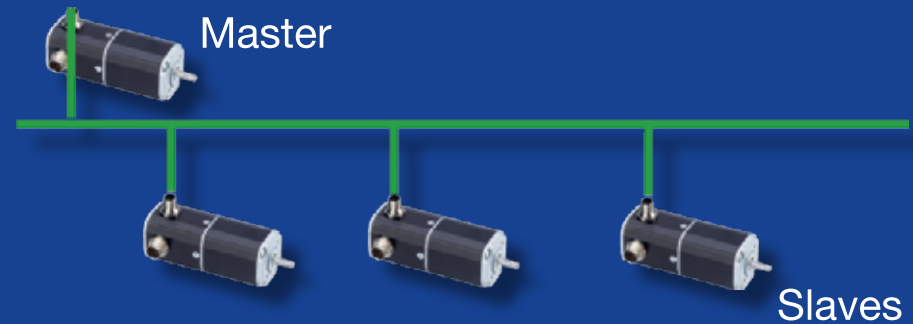
CANopen/ Profinet IRT Profibus DP	Bus interfaces (integrated): CANopen / Profinet IRT / Profibus DP				
<p>External controllers 2 - 20 A</p> 	<p>Power-off brakes 0,2 - 3 Nm</p> 	<p>Incremental encoders - up to 4096 pulses per revolution - already integrated in motor · BG45 / BG65 / BG75</p> 	<p>KI - Commutation electronics integrated</p> <hr/> <p>SI - Speed controller integrated</p> 	<p>Brushless DC-Motors 6 - 500 Watt</p> 	<p>Planetary gearboxes 0,2 - 160 Nm</p> 
	<p>Power-on brakes 0,2 - 3 Nm</p> 	<p>Magnetic pulse generators - up to 4 pulses per revolution</p> 	<p>PI - Parameter software inclusive</p>	<p>Permanent Magnet DC-Motors 3 - 240 Watt</p> 	<p>Worm gearboxes 0,75 - 30 Nm</p> 
CONTROLLER EXT.	BRAKES	ENCODER	CONTROLLER INTEGR.	MOTOR	GEARBOXES

Integrated Electronics Functionalities

Slave in a Network



Stand-alone Network



The electronics functionalities offer a wide range of possibilities starting with a simple speed control electronics up to a freely-programmable servo-controller with bus interface

Industry Automation - Woodworking Machinery



Users of woodworking machinery demand best possible productivity, low cycle times at low investment cost. Many complex functions of the machine could only be realised with an enormous wiring and control infrastructure. The necessary components had to be put into large control cabinets.

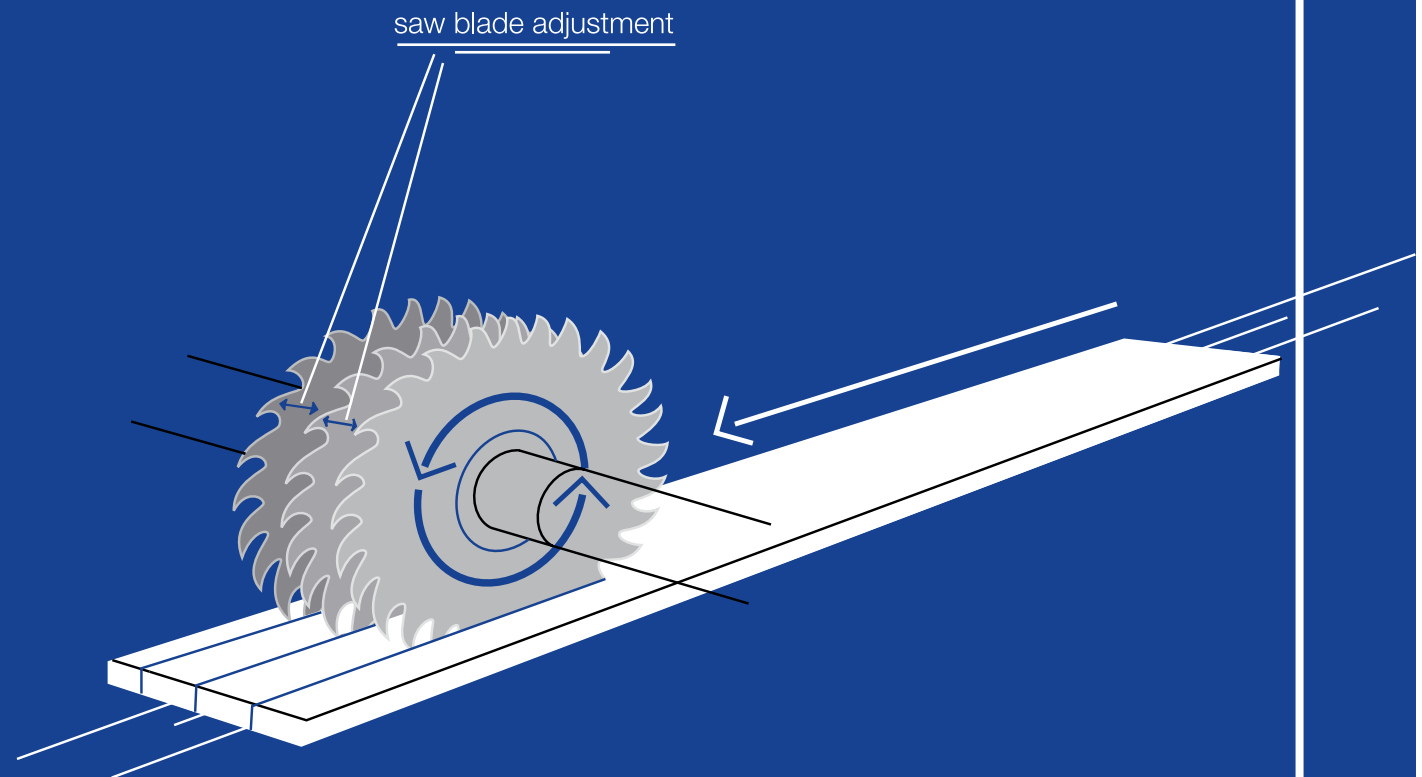
Electronics integrated in DC motors create extensive advantages for decentralised drive technology in woodworking machines. A master drive controls and monitors a number of slave drives in a local network and therefore considerably relieves the higher-level PLC. The result – shorter cycle times, higher productivity, lower installation costs for the machine and less programming efforts for the higher-level PLC.



- Relief of the central controller, no excessive heating of the drives due to the black anodised housing, protection against dust and humidity, permanently lubricated bearings, maintenance-free gearbox.

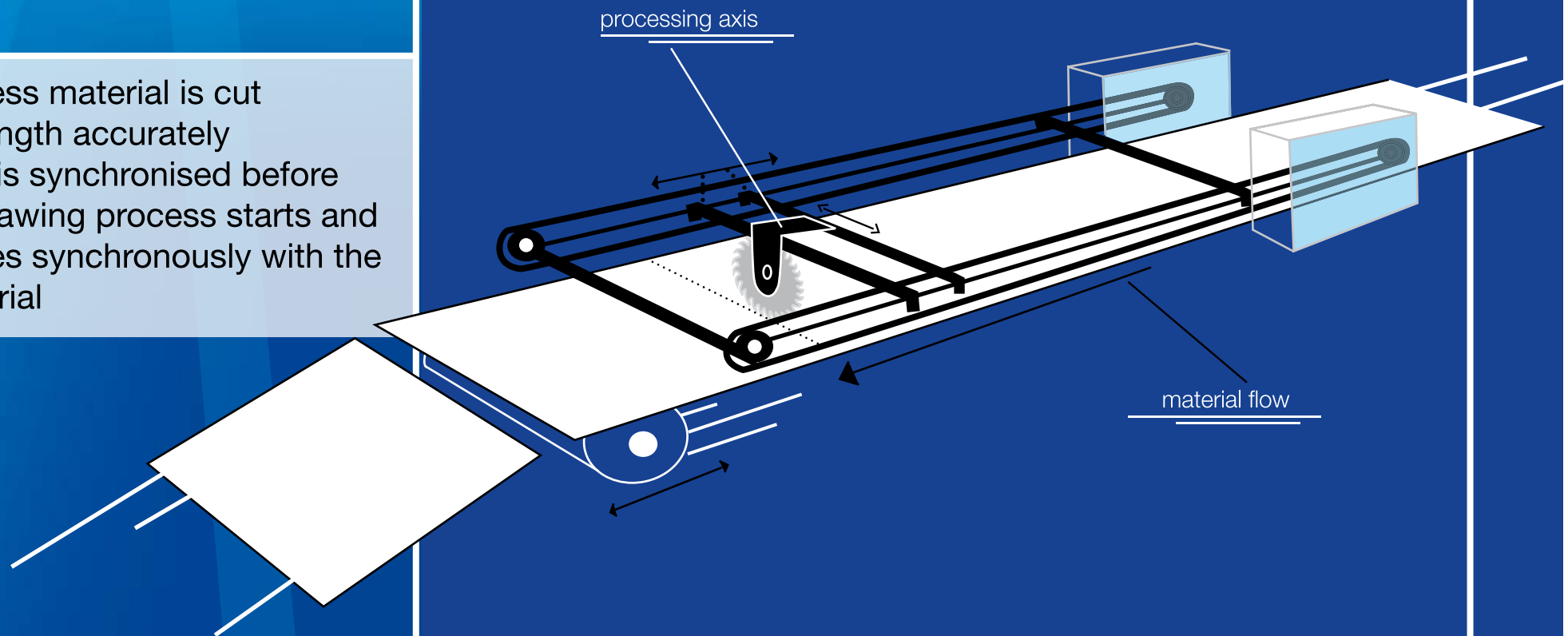
Application - Format Adjustment

- Cutting width adjustment of the saw blades for the desired material cutting
- Format changes will be automatically carried out with high reproducibility



Application - Flying Saw (cutting to length)

- Endless material is cut on length accurately
- Saw is synchronised before the sawing process starts and moves synchronously with the material



Dunkermotoren - Our drive. Your success.

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