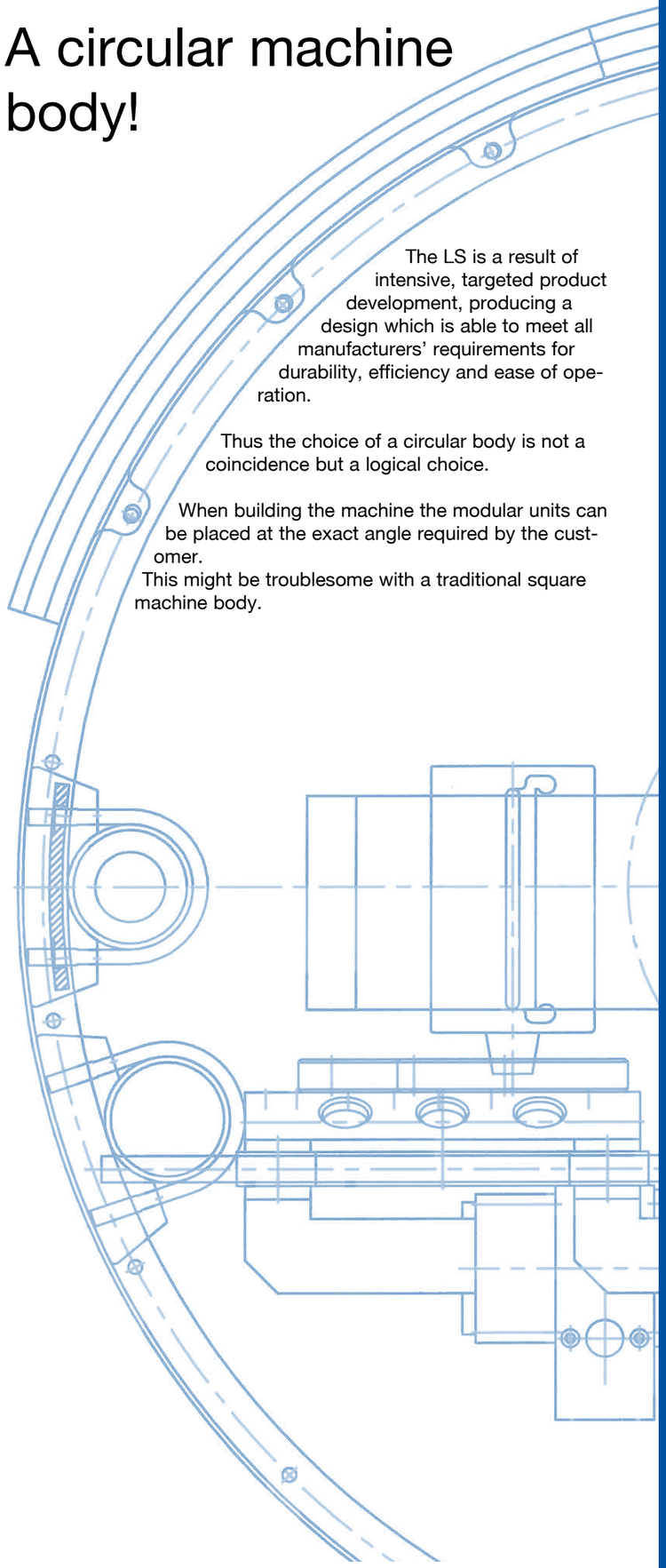
A circular machine body!

The LS is a result of intensive, targeted product development, producing a design which is able to meet all manufacturers' requirements for durability, efficiency and ease of operation.

Thus the choice of a circular body is not a coincidence but a logical choice.

When building the machine the modular units can be placed at the exact angle required by the customer.
This might be troublesome with a traditional square machine body.



GB

Spindle and tools

All machines are equipped with **lock-it™** spindles Ø100.

The **lock-it™** spindles keep tools balanced, offer a perfect fixation and make the change of tools easier and faster.

The tools being used are abrasive brushes in different size and density.

The most common and universal tools are the abrasive cylinders.
They are made by a combination of:

Diameter	250, 300, 350 or 400 mm
Grit size	P100, P150, P180, P220 or P220
Density of abrasives	Standard: 7, 9 or 11 mm.

Manufacturer

Fladder Danmark A/S is established by Hansen & Hundebøl who in the 1970's started a development centre designing unique methods and finishing machines for the wood and metal industry.

Today FLADDER® is a known and acknowledged trade mark of high quality.
The target is designing, producing and marketing efficient machines and tools able to meet specific work processes in an effektive and reliable way.

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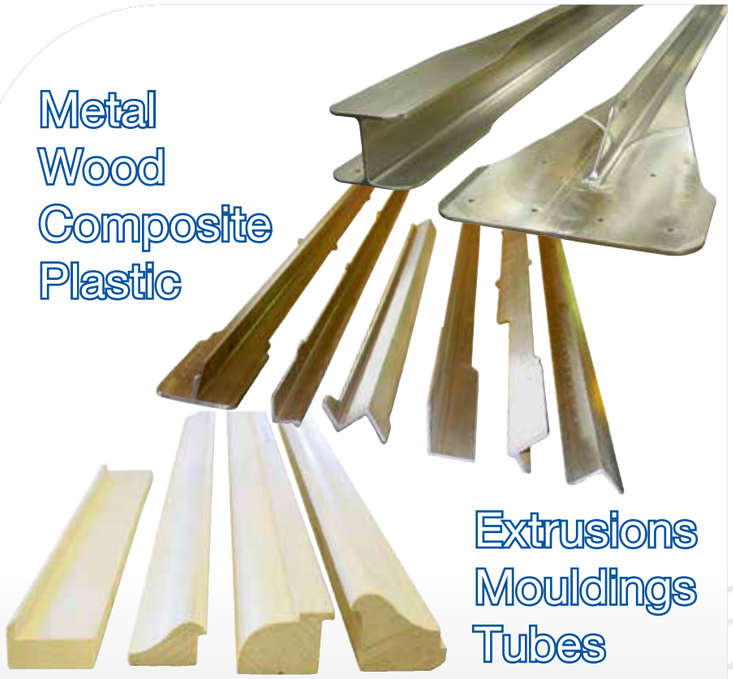
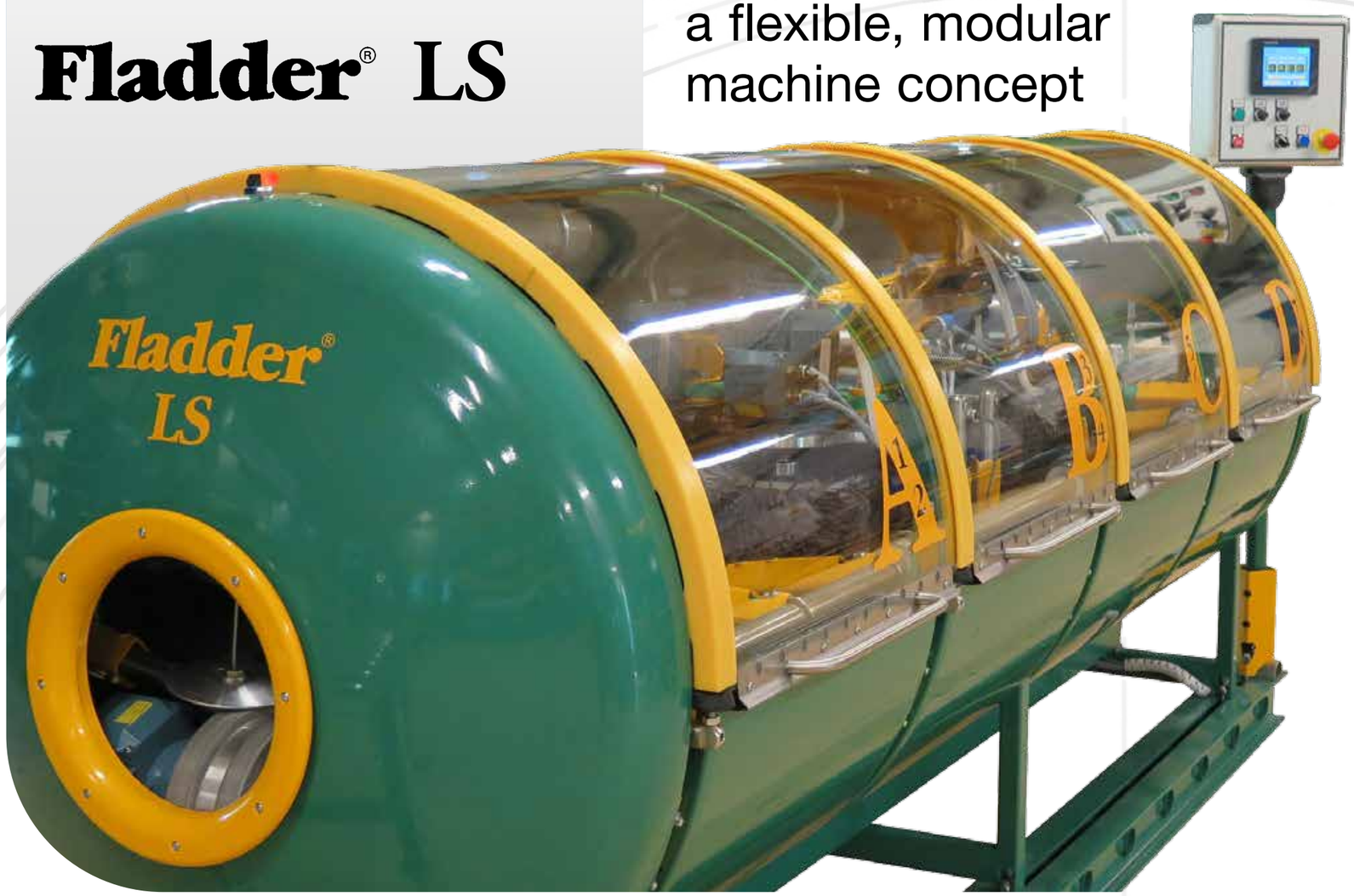
Fladder® LS

automatic machine for deburring and denibbing



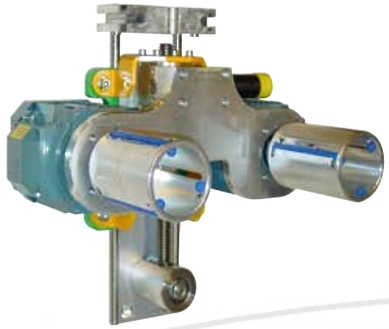
Fladder® LS

a flexible, modular machine concept



Module with guide

Each section of the machine can hold 1 or 2 modules.
The modules consists of 2 counter rotating **lock-it™** spindles mounted on an aluminium plate which is attached to a moveable guide.



The speed of the spindles is adjusted by means of a frequency inverter.
The position is adjusted pneumatically.
These settings are monitored on the touchscreen.

Transport unit

The feed through unit is based on a rubber coated wheel driven by a motor.
The speed is adjusted by means of a frequency inverter.

Fixation unit

The fixation unit consists of standard elements which are modified to suit the customers work pieces.
The position of the fixation units in the entire machine is done pneumatically and is monitored on the touchscreen.

symbols and touchscreen that makes it easy and clear for the operator to manage the functions of the machine.

The machine can be operated both in manual and automatic mode with the choice of 10 programmes.

When using programs each module can be set with individual values.

Shields

The large, hardened and laminated glass shields offer perfect access for maintenance and tool change.

The closed windows give the operator perfect conditions for a visual supervision of the process.
As a safety precaution the machine will stop when the shields are opened.

Operation

The machine is highly user-friendly with

Technical specifications

	LS-2 Sections	LS-3 Sections	LS-4 Sections
Total height	1660 mm	1660 mm	1660 mm
Machine width	1460 mm	1460 mm	1460 mm
Total length	1990 mm	2660 mm	3330 mm
Modules	2-4	3-6	4-8
Max. work piece height	Ø200 mm	Ø200 mm	Ø200 mm
Max. work piece width	Ø200 mm	Ø200 mm	Ø200 mm
Infeed speed	0.3 - 25,0 m/min	0.3 - 25,0 m/min	0.3 - 25,0 m/min
Spindles **lock-it™**	Ø100 length up to 200 mm	Ø100 length up to 200 mm	Ø100 length up to 200 mm
Voltage	3 x 400/500V	3 x 400/500V	3 x 400/500V
Max./min. fuse	32A/16A	32A/32A	32A/32A
Max. power use	4,5 - 8 kW	6 - 10,5 kW	8 - 14 kW
Net weight min.	725 kg	950 kg	1275 kg