

# Oscillating contact wheel

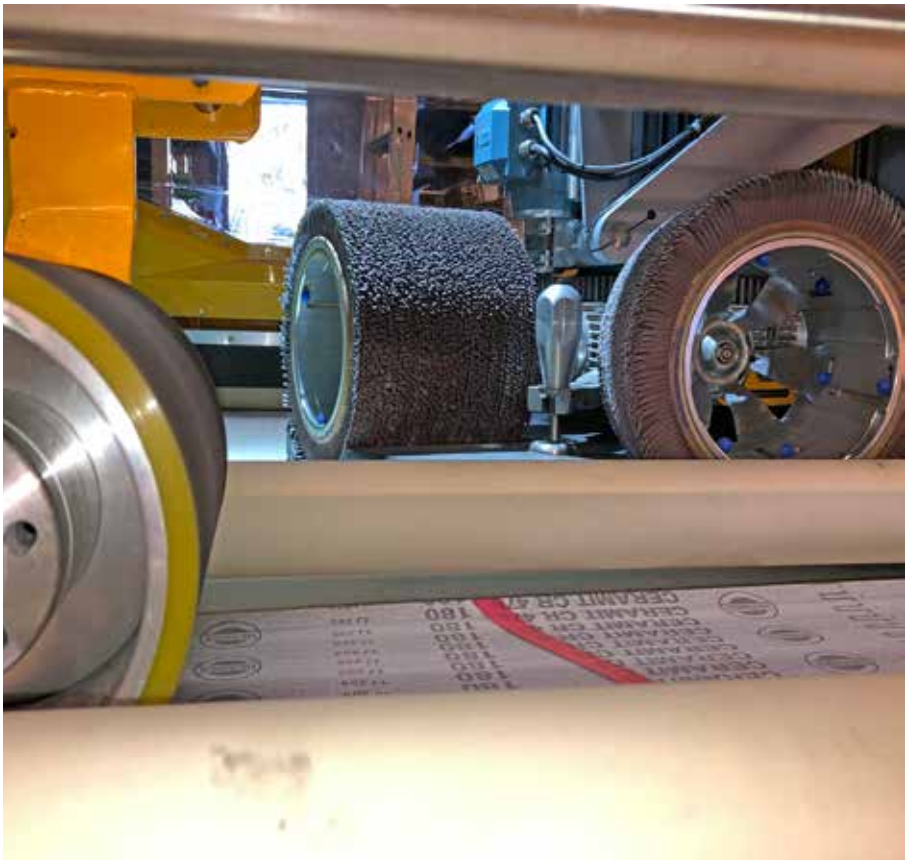


The oscillating contact wheel moves across the infeed direction pressing the grinding belt towards the workpiece.

The short but multiple contacts towards the workpieces reduce the critical heating of the surface.

This results in a better relation between the belt grinding and the following brushing and provide a wider freedom in the choice of feed speed.

By this we achieve a solution where both the grinding belt and the 6 rotating brushes have a common and functional feed speed.



## Tool options

The conical spindles on the main gear head allow the use of different spindle types and thereby different types of tools.

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

- Diameter** :150, 250, 300, 350 or 400 mm.
- Grit size**: P100, P150, P180, P220 or P320.
- Density of abrasives**: Standard: 7, 9 or 11 mm.



## lock-it<sup>™</sup> spindles and tools

All machines are equipped with lock-it<sup>™</sup> spindles either Ø100 or Ø200 mm mounted on the gear head's conical spindles.

lock-it<sup>™</sup> spindles keep tools balanced, offer a perfect fixation and make the change of tools easier and faster.



## Technical specifications

	300/GYRO HYBRID
Total height	2210 mm
Machine width	2300 mm
Total length	2770 mm
Working height	850 mm
Working width, max.	1300 mm
Vacuum belt	1300 mm
Max. workpiece height	50 mm
Max. workpiece grinding	1200 mm
Max. workpiece deburring	1300-1500 mm
Infeed speed	0.3 - 10.0 m/min
Spindles lock-it <sup>™</sup>	6 x Ø100x350 mm 6 x Ø200x250 mm
Abrasive belt - dimension	300 x 6000 mm
Abrasive belt speed	Stepless up to 30 m/sec
Motor grinding unit	2 x 2,2 kW built in the Ø350 mm drive drum
Contact wheel	Ø200 x 250 mm mounted on a Ø40 cone
Voltage	3 x 400/500V 50/60Hz
Max./min. fuse	63A/50A
Max. power use	30 kW
Net weight	3000 kg
Dust collecting	5000 m <sup>3</sup> /h, 500 PA

## Manufacturer

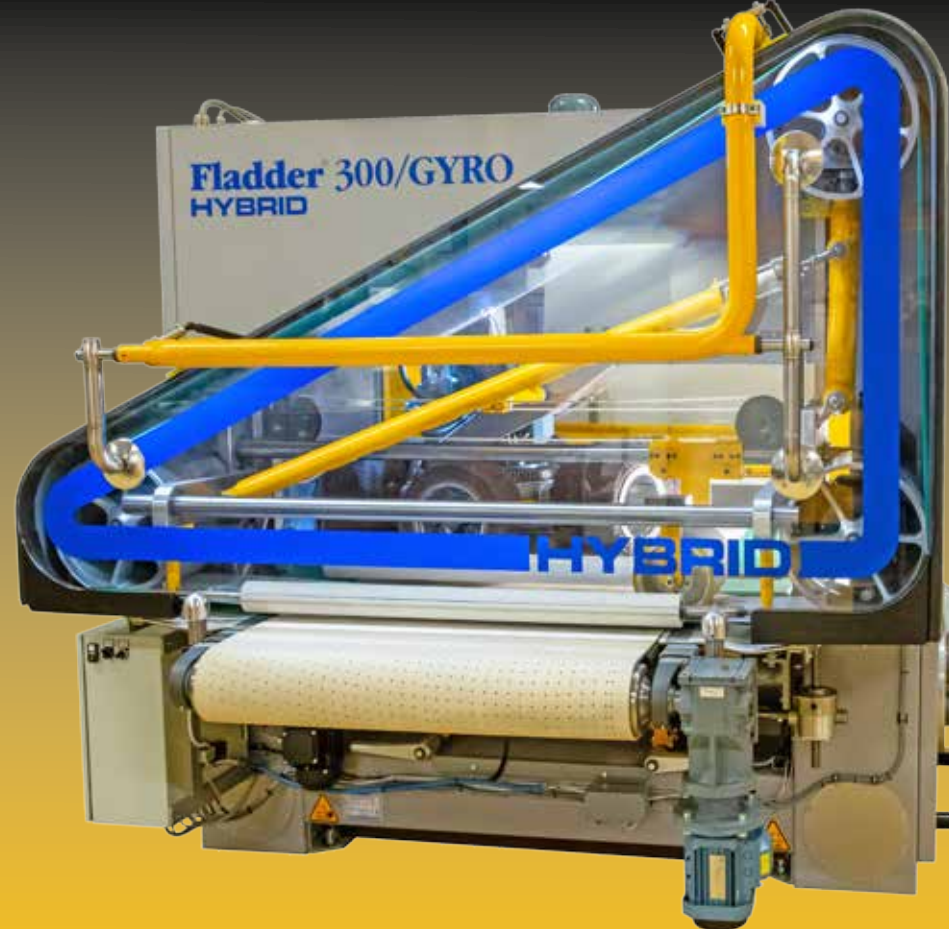
Fladder Danmark A/S is established by Hansen & Hundebøl who in the 1970's started a development centre designing unique methods and finishing machines for the wood and metal industry.

Today FLADDER<sup>®</sup> 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 effective and reliable way.

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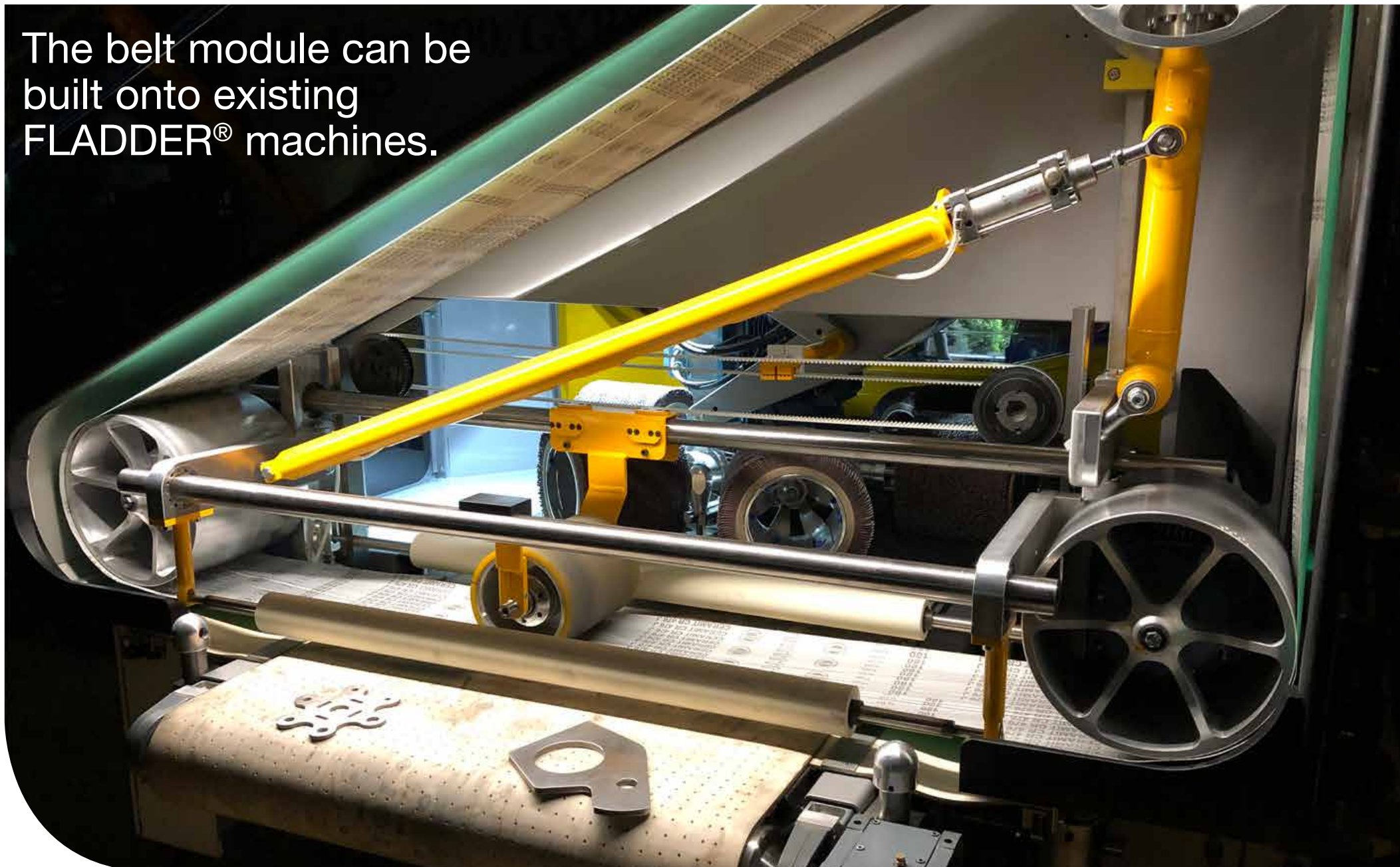


# Fladder<sup>®</sup> GYRO HYBRID

for belt grinding, deburring and rounding edges - in one pass

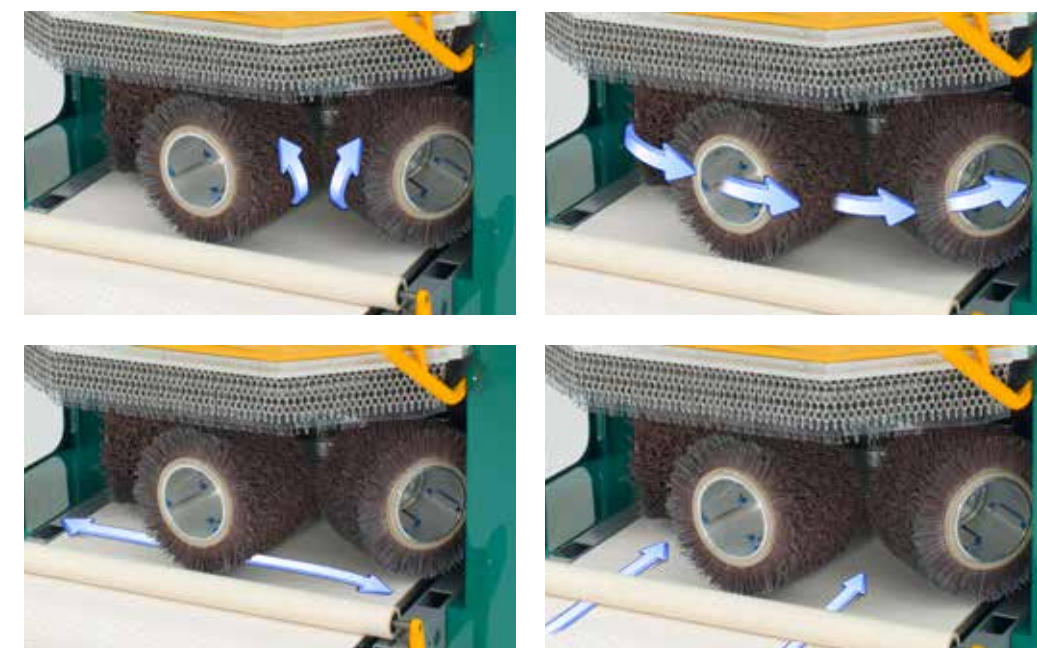


- Calibrating belt grinding
- Optimized visual control
- Modular solution
- No critical heating
- Remove laser spatter
- Small footprint 1,5 m2



The belt module can be built onto existing FLADDER® machines.

**2 functions:**  
 calibrating belt grinding of the surface followed by multidirectional brushing for deburring and edgerounding.



The better combination