The strong, compact gear head is equipped with a total of six spindles, mounted in pairs, rotating alternately clockwise and counter-clockwise.

The gearing of the spindles vary between the pairs to ensure uniform finishing of all faces on the parts and uniform wear on the finishing tools.

During the process, the entire head and the six spindles rotate and oscillate across the surface of the parts, which means that the processing of the surface is applied from every possible direction, no matter how the part is placed on the conveyor belt.

The movements are two by two synchronized to each other.

It makes the operation of the machine easy. The operator has only to set the speed of the brushes and the speed of the conveyor.

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 P220
- Density of abrasives: Standard: 7, 9 or 11 mm.

Special tools for metal:

- Removal of oxides on the edges: Spring threaded cylinders knocking the oxides off the edges.
- Removal of slags on the surface after plasma cutting: Heavy duty tool that knocks off the large burrs on the edges.

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

Emphasis are made to make the machine as strong and compact as possible. Simplicity is another keyword: Few but strong components, easy to operate, settings are simple etc.

The machine is highly user-friendly with symbols and touchscreen that makes it easy and clear for the operator to manage the functions of the machine.

A special designed vacuum turbine with optimized air flow is used to hold even small parts through the process.

As safety precaution the machine will stop when the shields are opened.

The tools being used are abrasive brushes in different size and density. Other kind of tools (for metal) - see the back of this brochure.

As an option a device is offered which will reduce power consumption with up to 30%. It reduces the time where the machine is running empty and prevents unnecessary wear of tools and transport belt.

The drive shaft is convex shaped. This ensures accurate tracking of the belt throughout its life cycle.

The open large shields offer perfect access for maintenance and tool change. The closed windows give the operator perfect conditions for monitoring the process.

The shields are equipped with various curtains, brushes, antistatic brushes and chains for safety reasons and to suppress noise.

The conveyor belt is a component of the highest quality.

The belt is an endless belt consisting of several layers of synthetic fibre material covered by a layer of natural rubber for improved friction properties.

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