Fladder® 300/LS

The perfect solution for finishing, denibbing, sealer sanding and deburring

Lists
Architraves
Frame mouldings
Window profiles
Bar-shaped items

For woods, metals and plastics

- a powerful and efficient machine concept...!

A characteristic feature of any FLADDER® finishing machine is that it has been designed through intensive, targeted product development to meet manufacturers' demands on durability, efficiency and simplicity of operation.

In the development of the machines, great emphasis has been placed on making the design sturdy and compact, using as few components as possible.

A keyword in the design is simplicity:

Simplicity of construction, using few but strong components, simplicity of operation, adjustment and servicing.

A FLADDER® finishing machine consists of a self-supporting chassis frame onto which the other components have been mounted.

All components are powder-coated wherever technically appropriate, providing a durable surface finish.

The machine design is made as compact as possible. Consequently, the machine takes up a minimum of space.

It is important for us to co-operate with each customer on finding the best solution. A free test carried out on the customer's items is a natural part of our service and a guarantee to the customer that he is making a safe investment in the right product.

Operation

The machine is very easy to operate. All functions are accessed from a central panel on which all functions are indicated with symbols. This makes the controls clear and easy to understand for the operator.

The operator can monitor the process through windows in the machine's screens and is able to adjust the machine's settings during the operation.

The feed speed can be infinitely adjusted up to a speed of 20 m/min. When several identical modules are combined, even higher speeds can be attained.

The abrasive aggressiveness can be infinitely adjusted as well.

Feed drive

In the standard execution, the machine is equipped with a roller conveyor.

The conveyor consists of a number of feed drive rollers and overlying pressing rollers.

Each feed drive roller and pressing roller is driven by an elastic belt.

The flexibility in these belts is highly useful, for instance if an item is jammed inside the machine.

The pressing rollers keep the items securely in position during the process.

Each pressing roller is spring-loaded, which means that any irregularities, etc., on the items will simply be absorbed by the drive system without risk of jamming the items inside the machine.

Energy

The machine conserves energy. All motors are controlled by frequency converters, which means that the motors are always supplied with the exact amount of energy required.

In addition, threshold values for motor load are programmed into the frequency converters which will automatically switch off the motors if these load values are exceeded.

The use of frequency converters also allows a variable amount of energy to be supplied directly to a motor, and thus to a function.

If this function should be regulated by means of a gear transmission, this would result in a loss of energy.

Minimum maintenance

With the FLADDER® 300/LS we have managed to design a machine which requires only a minimum of maintenance.

- modular design...!

The design of FLADDER® 300/LS is based on modular components which can be combined to accommodate the customer's needs for finishing on 1, 2, 3 or 4 sides.

Each module consists of a unit with 2 spindles onto which the abrasives are mounted.

This unit is attached to a pivot joint which allows the spindles to be adjusted at an angle relative to the item.

In addition, each module is equipped with a dust exhaust tube placed between the spindles.

The two spindles rotate clockwise and counter-clockwise, respectively, which means that the dust generated by the process is guided into the dust exhaust tube.

- top side

- left side

- right side

- bottom side

Optional equipment:

Bevelled rollers

The machine may be equipped with bevelled rollers on the infeed side.

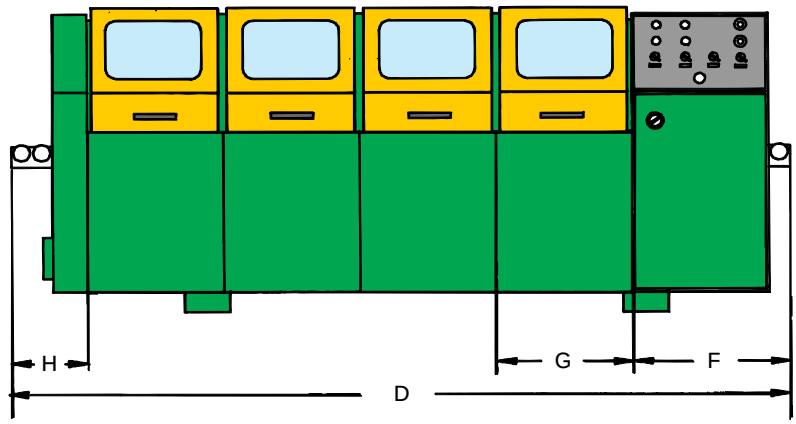
These rollers will automatically guide the items towards the side guide.

Synchronised top module

Consists of a top module which is secured to the pressure rollers in the position required by the customer.

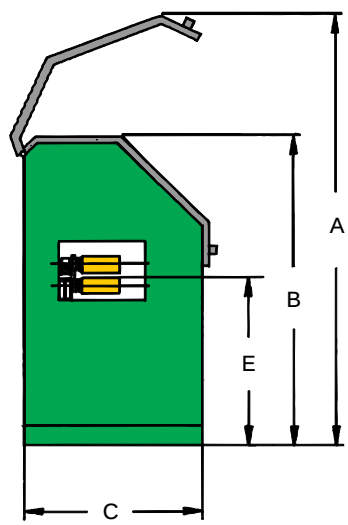
This means that the position of the top module is automatically changed when the pressure rollers are adjusted, which is useful particularly in case of frequent changes of items for finishing.

Technical specifications



A. Total height	2050 mm	Spindle length	150 mm
B. Machine height	1415 mm	No. of spindles	2 - 8
C. Machine width	950 mm	Spindle motor, each	0.37 kW
D. Total length LS-2	2380 mm	Feed motor	0,75 kW
D. Total length LS-3	3020 mm		
D. Total length LS-4	3660 mm	Voltage	3x220-500V
E. Min. level height	785 mm	Frequency	50-60 Hz
F. Control desk module	840 mm	Fuse, max.	16 A
G. Standard module	640 mm	Fuse, min.	16 A
H. End module	260 mm		
		Dust exhaustion capacity per module	1000 m3/h
Max. item height	100 mm	Exhaust stub	1 x ø200 mm
Max. item width	150 mm		
		Weight, first module	400 kg
Feed speed	0,50-50 m/min.	Weight, additional modules	250 kg

The above specifications may be limit values to be adjusted to meet customers' requirements and may vary.



Fladder Danmark A/S

Grødevej 14
P.O. Box 27
DK-6823 Ansager

Tel.: +45 75297133
Fax: +45 75297143