

# STEFF

AUTOMATIC FEEDERS

- ▶ STEFF **2034**
- ▶ STEFF **2044**
- ▶ STEFF **2038**
- ▶ STEFF **2048**
- ▶ STEFF **2038 CI**
- ▶ STEFF **2068**





# maggi engineering

## THE TRADITION OF TECHNOLOGY

► In Tuscany, we have traditions that survive through the centuries. They derive from our arts and crafts, technology and every aspect of human activity, and are achieved through a successful combination of creativity and experience.

Our company is located in Certaldo, in the heart of Tuscany. It has been engineering and producing woodworking machinery since 1963.

We began our business producing automatic feeders. Now, our range of products has widened to include radial arm saws and a line of multiple boring machines: technology for both handcrafts and industrial activities.

The remarkable quality of our machines, the reliability of our staff and the competence of our technicians have contributed to the success of Maggi Engineering all around the world, making it the world-wide leader in the production of automatic feeders. We currently export 85% of our products to more than 80 countries, thanks to our efficiency and impeccable customer service.

With a staff of more than 60, employees Maggi Engineering is a well-structured company always on the move. We welcome the challenge of the new millennium, confident in the future by relying on our line of high-tech products.



## THE STEFF LINE

# STEFF



- ▶ STEFF is our traditional brand for automatic feeders. These machines have enjoyed outstanding success all around the world since they were first produced by our company in 1969.

Up to now, Maggi Engineering has produced more than 300,000 units.

Over the last few years we have worked on updating the technology and design of these machines to meet the requirements of our customers. As a result, we created a product that is highly competitive and always a step ahead, while still in compliance with CE and GS regulations.

The STEFF line includes a series of various models answering to different processing needs: our customers can choose among feeders with 3, 4 or 6-rollers or with traction belts, with 4 or 8 steady speeds for back-and-forward motion.

All feeding units are equipped with an adjustable universal stand, which enables users to put the machines in different positions according to different processing needs.

# STEFF 2034

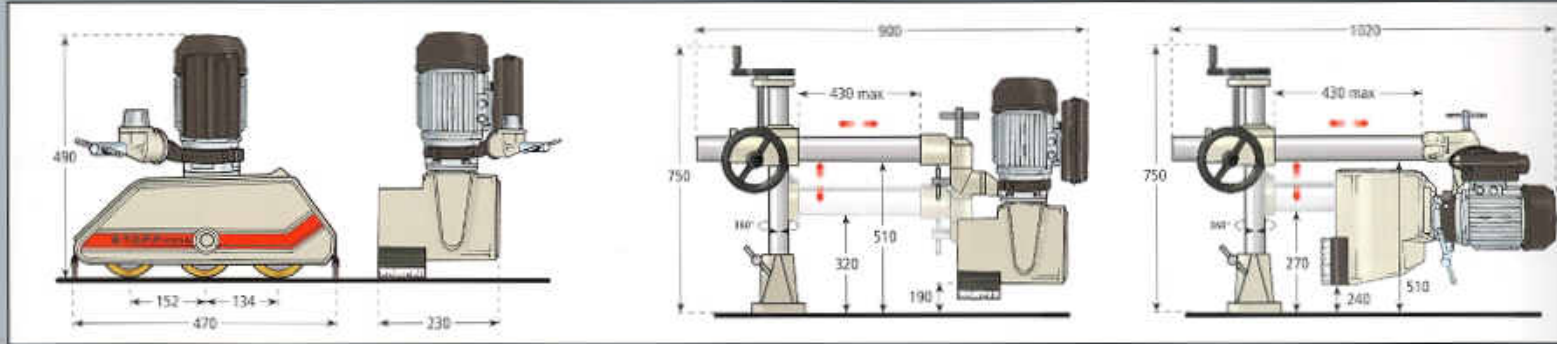


- 3 rollers – 4 steady speeds back and forward motion. 2 speeds are obtained by changing the position of the gears inside the housing, while other 2 speeds result from the switching of the bipolar engine (1400- 2800 r.p.m.)
- Motor power enables any kind of feeding.
- Resistant and protective electrostatic powder-paint
- Interchangeable gears have been sintered, carbonitried and tempered.



- Case-hardened and rectified endless screw of the motor shaft enables perfect matching of the bronze aluminium crown wheel (BR/AL UNI 5275) with reducer unit.
- The kind of oil we use for the reducer (Mellana 150 IP or similar) ensures unlimited lubrication.

## DIMENSIONS



## TECHNICAL DATA

MOTOR POWER	0,7/1 0,52/0,75	HP Kw
FEEDING SPEEDS	15,3-24,4-30,7-42,2	FT/min
ROLLER N.	3	
Ø OF ROLLERS	4 23/32	INCH
ROLLER WIDTH	2 3/8	INCH
ROLLER SPRING EXCURSION	25/32	INCH
TOTAL NET WEIGHT	128	L.B.S
TOTAL GROSS WEIGHT	135	L.B.S

## FEEDING SPEEDS

### Z1 - Z2



40

### MOT. 1

15,3 FT/min

### MOT. 2

30,7 FT/min



25

42,2 FT/min

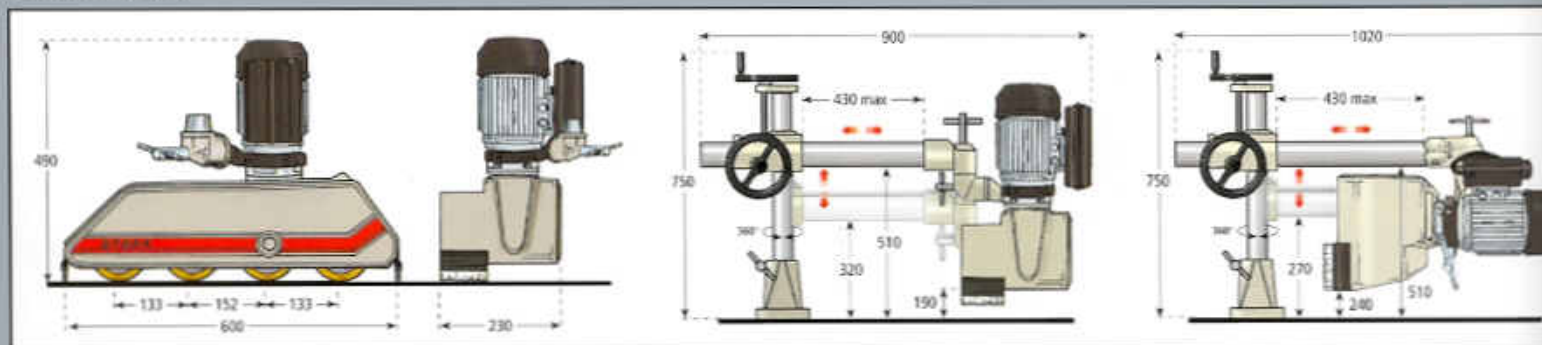
24,4 FT/min

- 4 rollers - 4 steady speeds back and forward motion. 2 speeds are obtained by changing the position of the gears inside the housing, while other 2 speeds result from the switching of the bipolar engine (1400- 2800 r.p.m)
- 4 rollers for more efficacious feeding of the work piece.
- Motor power enables any kind of feeding.
- Resistant and protective electrostatic powder-paint
- Interchangeable gears have been sintered, carbonitried and tempered.



- Case-hardened and rectified endless screw of the motor shaft enables perfect matching of the bronze aluminium crown wheel (BR/AL UNI 5275) with reducer unit.
- The kind of oil we use for the reducer (Mellana 150 IP or simil) ensures unlimited lubrication.

## DIMENSIONS



## TECHNICAL DATA

MOTOR POWER	0,7/1 0,52/0,75	HP Kw
FEEDING SPEEDS	15,3-24,4-30,7-42,2	FT/min
ROLLER N.	4	
Ø OF ROLLERS	4 23/32	INCH
ROLLER WIDTH	2 3/8	INCH
ROLLER SPRING EXCURSION	25/32	INCH
TOTAL NET WEIGHT	138	L.B.S
TOTAL GROSS WEIGHT	145	L.B.S

## FEEDING SPEEDS

**Z1 - Z2**

**MOT. 1**

**MOT. 2**



15,3 FT/min

30,7 FT/min



42.2 FT/min

24,4 FT/min

# STEFF 2044



Read the instruction manual carefully before using the machine. The machine is not to be used for purposes other than those specified in the instruction manual. The manufacturer is not responsible for damage to the machine caused by misuse.



STEFF 2044

maggi



# STEFF 2038







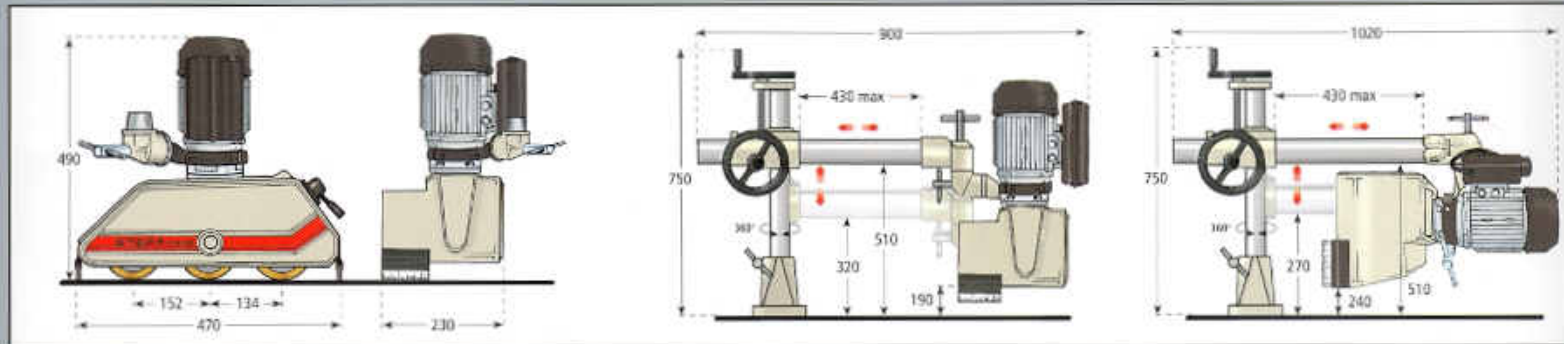
THE GEAR SHIFT




- 3 rollers – 8 steady speeds back and forward motion. 2 speeds are obtained by changing the position of the gears inside the housing, while other 2 speeds result from the switching of the bipolar engine (1400- 2800 r.p.m)
- Thanks to a **gear shift** the user can choose among a double range of speeds and easily select the most suitable one.
- Motor power enables any kind of feeding.
- Resistant and protective electrostatic powder-paint
- Interchangeable gears have been sintered, carbonitried and tempered.

- Case-hardened and rectified endless screw of the motor shaft enables perfect matching of the bronze aluminium crown wheel (BR/AL UNI 5275) with reducer unit.
- The kind of oil we use for the reducer (Mellana 150 IP or similar) ensures unlimited lubrication.

## DIMENSIONS



## TECHNICAL DATA

MOTOR POWER	0,7/1 0,52/0,75	HP Kw	FEEDING SPEEDS					
FEEDING SPEEDS	7,6-15,3-21-25-42,2 50-63,3-126,6	FT/min	Z1 - Z2		MOT. 1		MOT. 2	
ROLLER N.	3				Vel. I	Vel. II	Vel. I	Vel. II
Ø OF ROLLERS	4 <sup>23</sup> / <sub>32</sub>	INCH			7,6 FT/min	25 FT/min	15,3 FT/min	50 FT/min
ROLLER WIDTH	2 <sup>3</sup> / <sub>8</sub>	INCH			MOT. 1		MOT. 2	
ROLLER SPRING EXCURSION	<sup>25</sup> / <sub>32</sub>	INCH			21,1 FT/min	63,3 FT/min	42,2 FT/min	126,6 FT/min
TOTAL NET WEIGHT	132	L.B.S						
TOTAL GROSS WEIGHT	138,60	L.B.S						



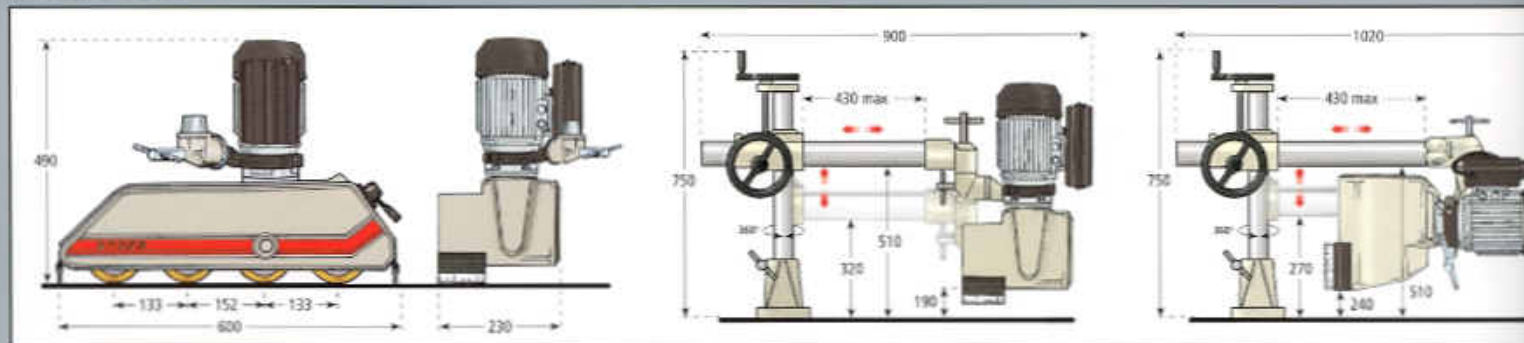
← THE GEAR SHIFT



- 4 rollers – 8 steady speeds back and forward motion. 2 speeds are obtained by changing the position of the gears inside the housing, while other 2 speeds result from the switching of the bipolar engine (1400- 2800 r.p.m)
- Thanks to a **gear shift** the user can choose among a double range of speeds and easily select the most suitable one.
- 4 rollers for more efficacious feeding of the work piece
- Motor power enables any kind of feeding.
- Resistant and protective electrostatic powder-paint.
- Interchangeable gears have been sintered, carbonitried and tempered.

- Case-hardened and rectified endless screw of the motor shaft enables perfect matching of the bronze aluminium crown wheel (BR/AL UNI 5275) with reducer unit.
- The kind of oil we use for the reducer (Mellana 150 IP or sim) ensures unlimited lubrication.



## DIMENSIONS



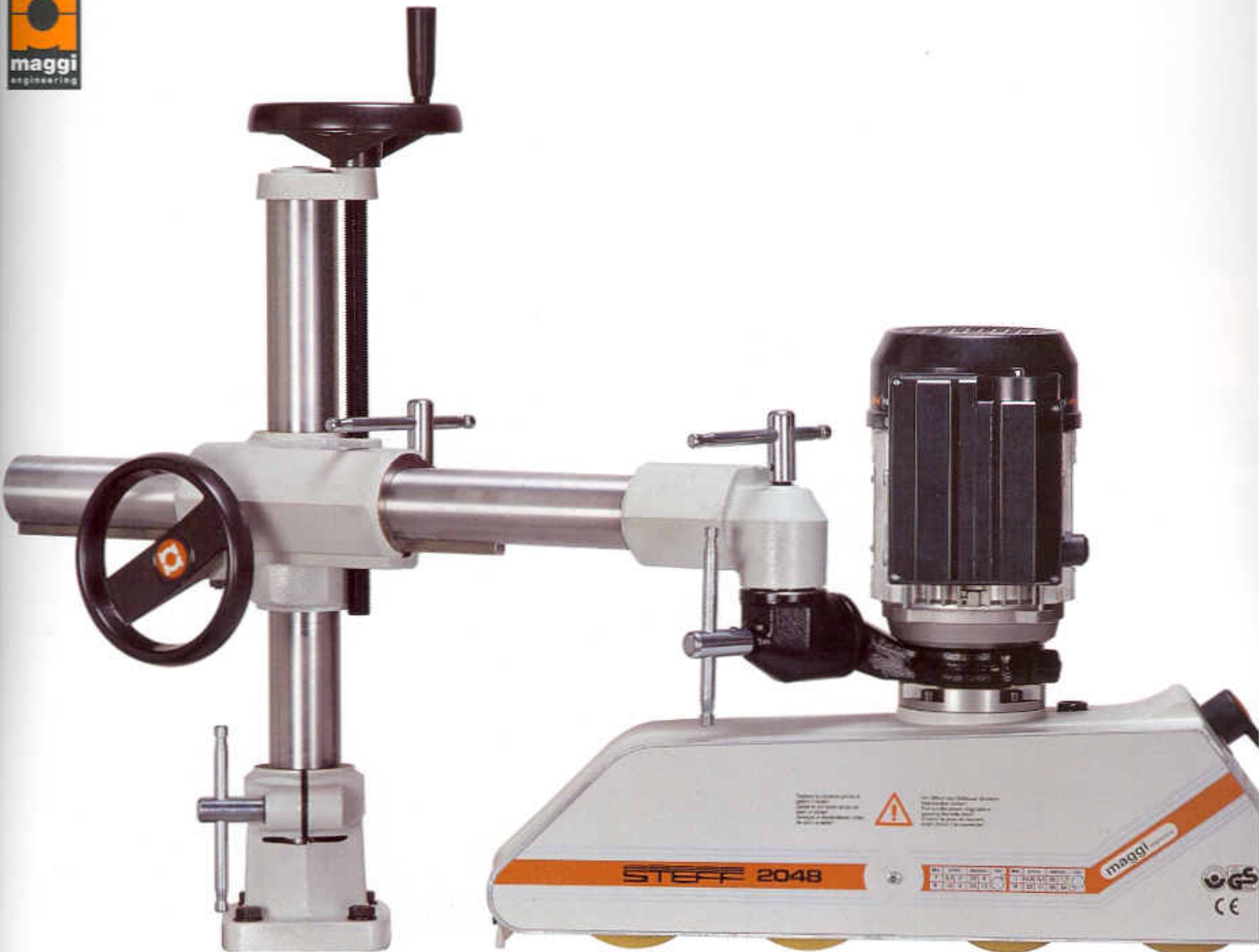
## TECHNICAL DATA

MOTOR POWER	0,7/1 0,52/0,75	HP Kw
FEEDING SPEEDS	7,6-15,3-21-25-42,2 50-63,3-126,6	FT/min
ROLLER N.	4	
Ø OF ROLLERS	4 23/32	INCH
ROLLER WIDTH	2 3/8	INCH
ROLLER SPRING EXCURSION	25/35	INCH
TOTAL NET WEIGHT	140,80	L.B.S
TOTAL GROSS WEIGHT	143,40	L.B.S

## FEEDING SPEEDS

Z1 - Z2	MOT. 1		MOT. 2	
	Vel. I	Vel. II	Vel. I	Vel. II
 40 / 25	7,6 FT/min	25 FT/min	15,3 FT/min	50 FT/min
 25 / 40	21,1 FT/min	63,3 FT/min	42,2 FT/min	126,6 FT/min

# STEFF 2048



# STEFF 2038 CI





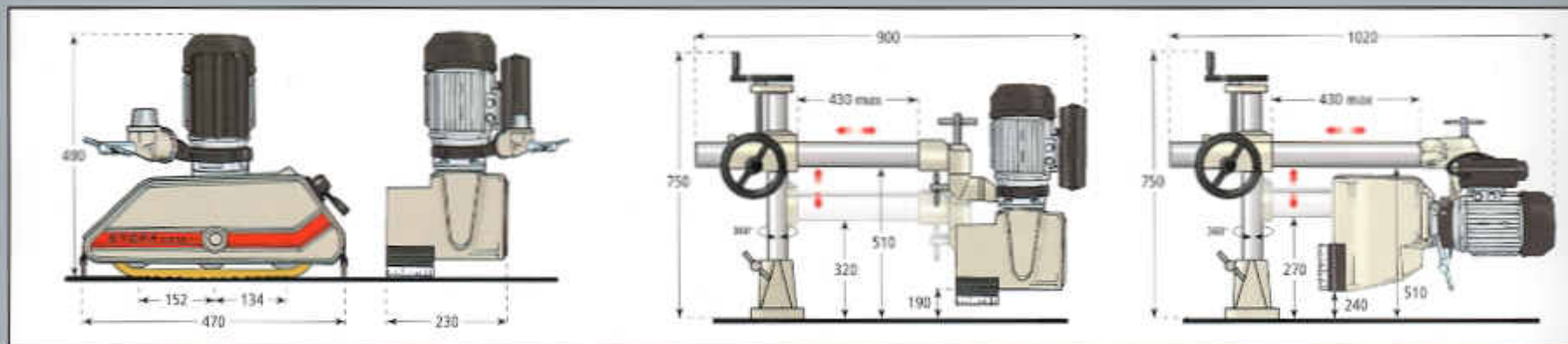
THE GEAR SHIFT





- 3 rollers – 8 steady speeds back and forward motion.  
2 speeds are obtained by changing the position of the gears inside the housing, while other 2 speeds result from the switching of the bipolar engine (1400- 2800 r.p.m)  
Thanks to a **gear shift** the user can choose among a double range of speeds and easily select the most suitable one.
- 3 rubber belts for more efficacious feeding  
This machine is also suitable for small work pieces.
- Motor power enables any kind of feeding.
- Resistant and protective electrostatic powder-paint

- Interchangeable gears have been sintered, carbonitried and tempered.
- Case-hardened and rectified endless screw of the motor shaft enables perfect matching of the bronze aluminium crown wheel (BR/AL UNI 5275) with reducer unit.
- The kind of oil we use for the reducer (Mellana 150 IP or similar) ensures unlimited lubrication.

### DIMENSIONS



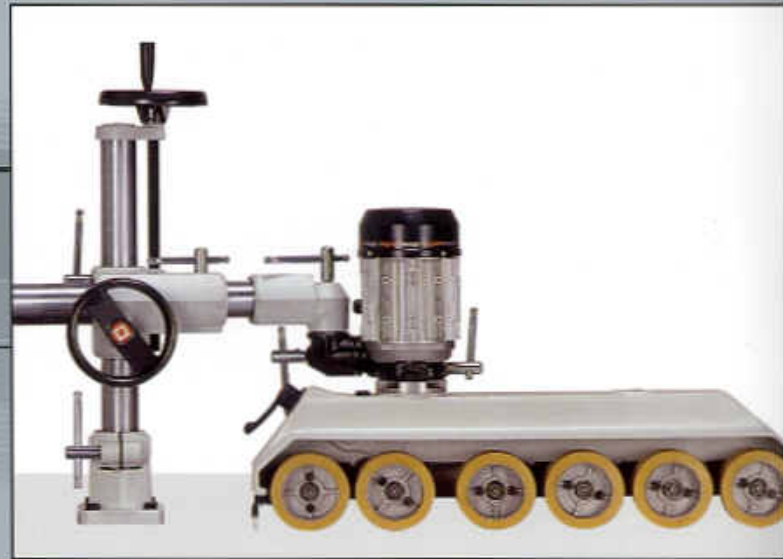
### TECHNICAL DATA

MOTOR POWER	0,7/1 0,52/0,75	HP Kw	FEEDING SPEEDS				
FEEDING SPEEDS	7,6-15,3-21-25-42,2 50-63,3-126,6	FT/min	<b>Z1 - Z2</b>	<b>MOT. 1</b>		<b>MOT. 2</b>	
PULLEY N.	3		 25	Vel. I	Vel. II	Vel. I	Vel. II
TRACTION BELT N.	3			40	7,6 FT/min	25 FT/min	15,3 FT/min
BELT DIMENSIONS	15/32 X 26/32 X 32 22/32 INCH		 40	21,1 FT/min		42,2 FT/min	
BELT EXCURSION	25/32	INCH		25	63,3 FT/min	126,6 FT/min	126,6 FT/min
TOTAL NET WEIGHT	128	L.B.S					
TOTAL GROSS WEIGHT	135	L.B.S					



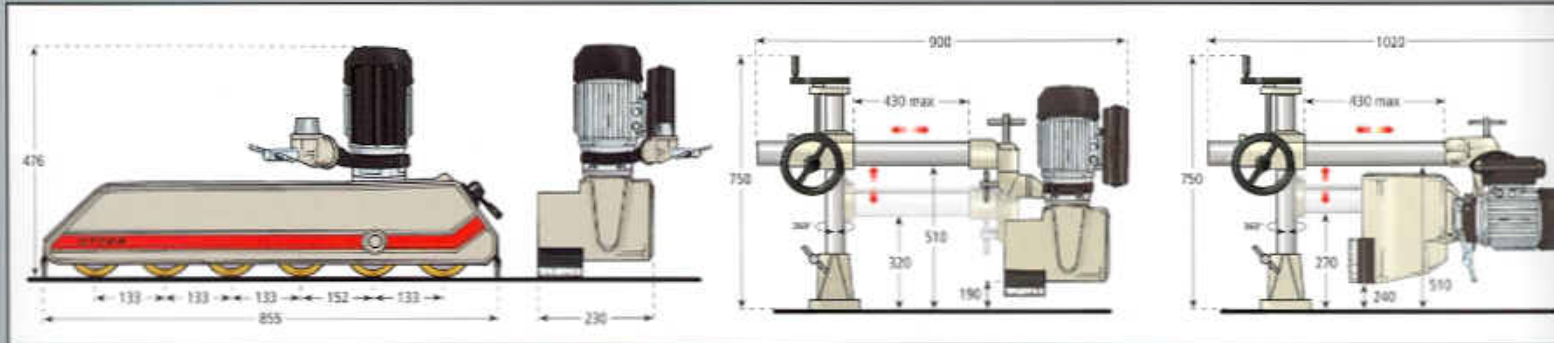
← THE GEAR SHIFT

- 6 rollers - 8 steady speeds back and forward motion. 2 speeds are obtained by changing the position of the gears inside the housing, while other 2 speeds result from the switching of the bipolar engine (1400- 2800 r.p.m)
- Thanks to a **gear shift** the user can choose among a double range of speeds and easily select the most suitable one.
- 6 rollers are recommended for feeding of long pieces, like cases and frames, and in general for all heavy work processing, where maximum stability of the work piece is required.
- Motor power enables any kind of feeding.
- Resistant and protective electrostatic powder-paint



- Interchangeable gears have been sintered, carbonitried and tempered.
- Case-hardened and rectified endless screw of the motor shaft enables perfect matching of the bronze aluminium crown wheel (BR/AL UNI 5275) with reducer unit.
- The kind of oil we use for the reducer (Mellana 150 IP or similar) ensures unlimited lubrication.

## DIMENSIONS



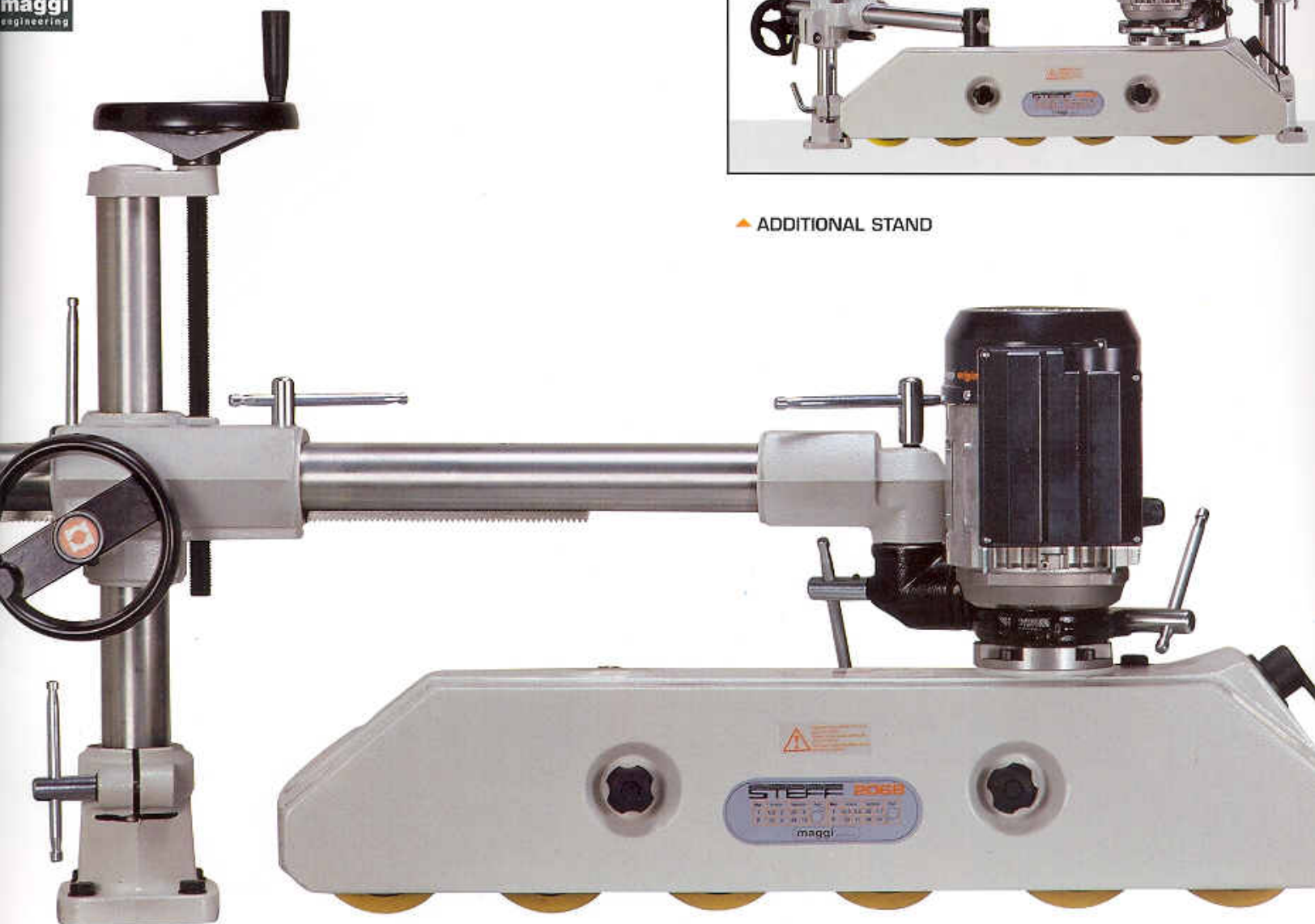
## TECHNICAL DATA

MOTOR POWER	0,7/1 0,52/0,75	HP Kw
FEEDING SPEEDS	7,6-15,3-21-25-42,2 50-63,3-126,6	FT/min
ROLLER N.	6	
Ø OF ROLLERS	4 23/32	INCH
ROLLER WIDTH	2 3/8	INCH
ROLLER SPRING EXCURSION	25/32	INCH
TOTAL NET WEIGHT	162,80	L.B.S
TOTAL GROSS WEIGHT	171,60	L.B.S

## FEEDING SPEEDS

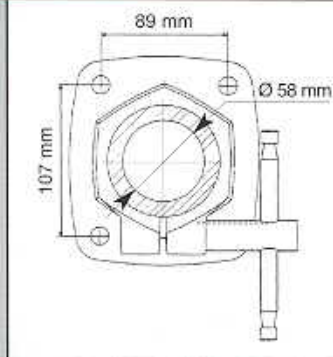
Z1 - Z2	MOT. 1		MOT. 2	
	Vel. I	Vel. II	Vel. I	Vel. II
	7,6 FT/min	25 FT/min	15,3 FT/min	50 FT/min
	21,1 FT/min	63,3 FT/min	42,2 FT/min	126,6 FT/min

# STEFF 2068



▲ ADDITIONAL STAND

# ACCESSORIES AND TECHNICAL FEATURES



▲ Dimensions of the basis for universal support.

**STEFF**

▲ **UNIVERSAL ADJUSTABLE STAND:** Thanks to this device the feeding unit can be positioned on the machine in ways that allow the feeder to work at its best, driving the workpiece towards the machining tool and putting it in the most suitable position.

The stand is made extremely strong also thanks to its basis, cross-shaped part, cap, pipe, joint and collar, all made of cast iron, and also thanks to the tubes of rectified and quite thick steel. Aluminium handwheels make it easy and quick for the user to put the machine in vertical and horizontal position.

In conformity with CE norms for safety (89/392) the stand is equipped with a mechanical device, which prevents the different parts from accidental detachment.

Standard horizontal tube is 720mm long. Longer versions (885mm or 970mm) are also available on request.

Standard vertical tube is 580mm long. Longer version (860mm) is also available on request.



▲ **ADDITIONAL STAND**

Considering features of model STEFF 2068, a six-wheeled automatic feed the use of an additional stand is recommended so as to improve stability of the feeding unit in case of heavy work processing.



▼ **THE TIPPER CLAMP** permits to fix the base of the universal stand sideways of working table and mainly to tilt quickly the feeder when you don't need it.



► **THE GEAR SHIFT**



▼ The roller **CALIBRATED SPRING** permits a perfect grip of pieces for a correct processing and it adapts itself to feed at the same time pieces with different thickness.

▲ **THE MOTOR** has double polarity (1400-2600 rpm), by the switch we obtain 2 speeds - back and forward motion.



▲ **SAFETY BRUSHES** fitted on both feeder sides according to CE safety regulations (89/392)

◀ **STEEL ROLLERS** standard dimension Ø 120x60mm. The use of this kind of rollers is suitable to feed raw wood beam or semifinished, assuring a perfect grip and making the roller material wear resistant.

# ACCESSORIES AND TECHNICAL DETAILS

▼ **INTERCHANGEABLE GEARS** Sintered, carbo-nitrided and tempered gears; by inverting them, we obtain high and low speeds, according to their position.

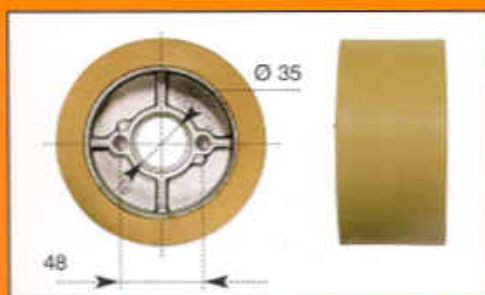


▲ Gears position on models STEFF 2034 / STEFF 2044 for high speeds (11 - 22 mt./min).

▲ Gears position on models STEFF 2034 / 2044 for low speeds (4 - 8 mt./min).

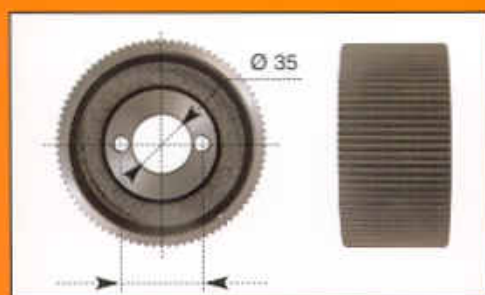
▲ Gears position on models STEFF 2038 / STEFF 2038 CI / STEFF 2048 / STEFF 2068 for lowest speeds (2 - 4 mt./min).

▲ Gears position on models STEFF 2038 / STEFF 2038 CI / STEFF 2048 / STEFF 2068 for highest speeds (16,5 - 33 mt./min).



## ◀ RUBBER ROLLERS

Standard dimension Ø 120x60mm, hardness 60 shore. Rubber composition (SBR 6570) is the result of many tests, it guarantees the maximum grip on any kind of material and the long lasting rubber. This roller fits on any STEFF feeder produced in the last 30 years.



▲ **STEEL ROLLERS** standard dimension Ø120x60.

▲ **ALLUMINIUM PULLEY** 3 grooves Ø 80x 80 mm permitting the belt movement of model STEFF 2038 CI.

▲ **BELT** 17x21x830 mm, hardness 60 shore. Specially produced on our drive for model STEFF 2038 CI.

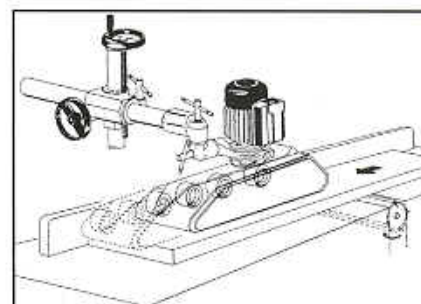
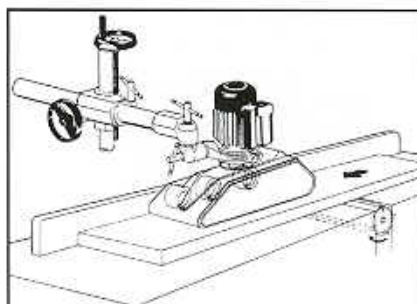
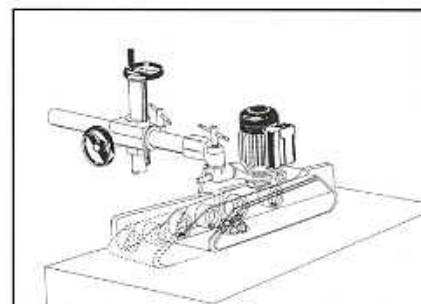
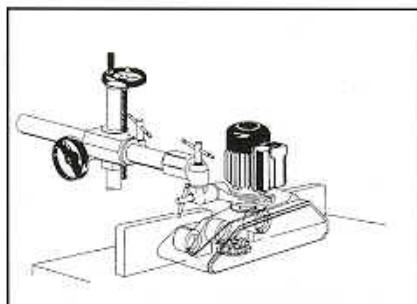
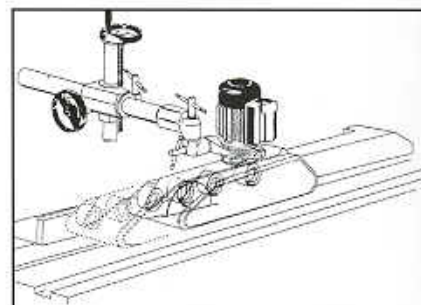
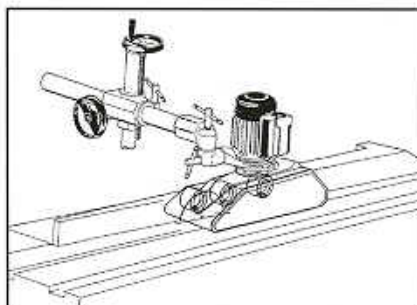
# APPLICATIONS AND SAFETY

## STEFF

- ▶ The automatic feeding units are necessary for greater operator safety, so as to avoid any injury even to the inexperienced users.

In addition to greater safety, the use of a feeder guarantees an even (constant) processing that is difficult to obtain by hand, with an excellent quality of the worked piece.

We suggest the application on:  
moulders, circular saws, panel saws,  
surface planing machines, edge banders,  
sanding machines, etc.; here are some  
fitting applications.



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