

DS 80 HP *description:*

Pyramidal hydraulic bending machine with three driving rolls.

Strong machine of new conception.

Prearrangement for independent tensioning to support the shafts ends.

Intelligent quote positioner for the bending radii pre-determination and the programs management for controlling until 20 quotes.

Prearrangement for hydraulic correcting tools.

Prearrangement for winding staircase and wrought iron tools.

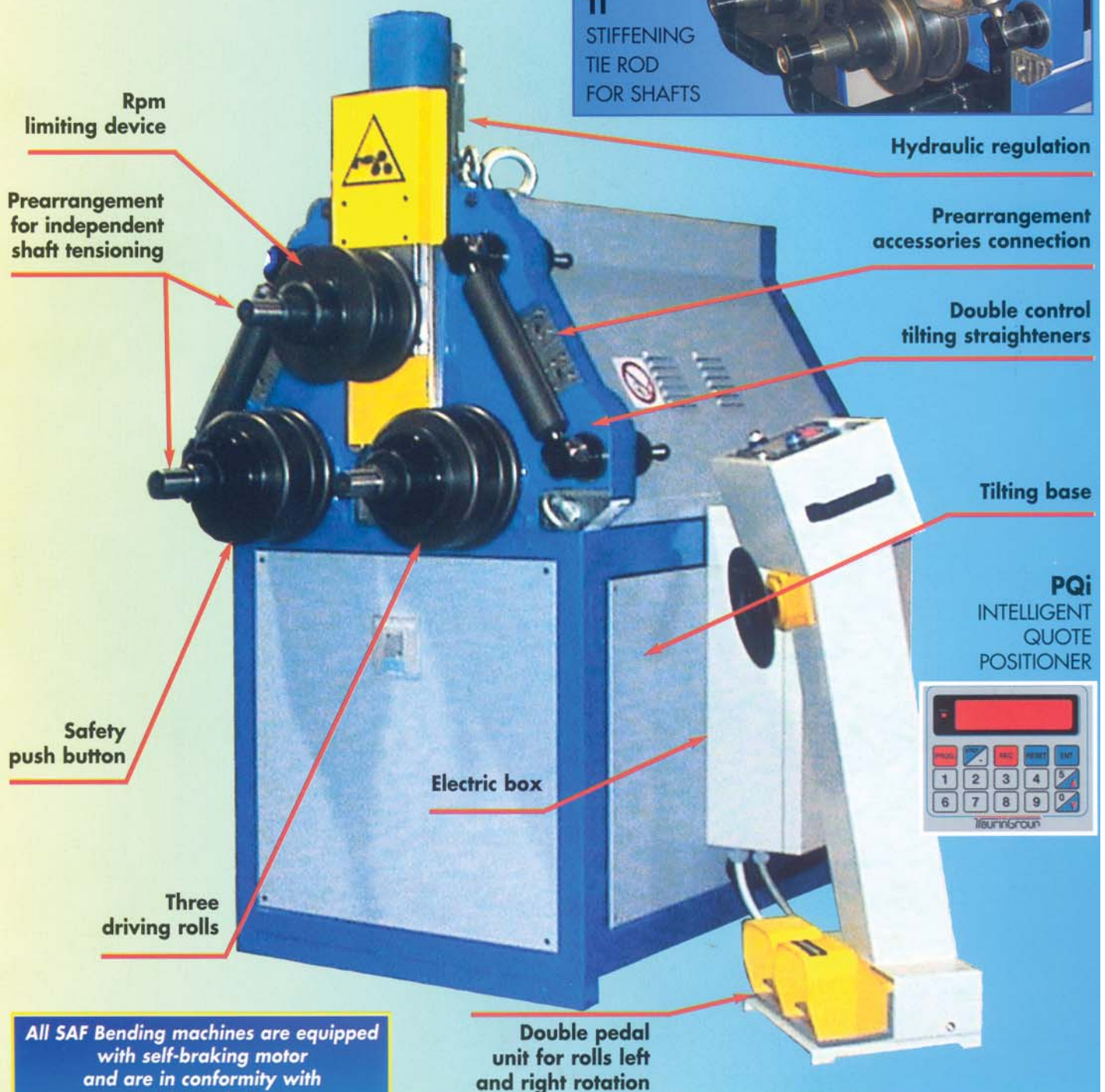
At disposal also in the numerical control version.

TECHNICAL FEATURES DS 80 HP

Number of driving shafts	3
Installed total power	5,5 kW
Shafts rotation speed	7,7 min ⁻¹
Horizontal working height	100 cm
Vertical working height	120 cm
Dimensions (p x l x h)	150x105x170 cm
Weight	1020 kg



T1
STIFFENING
TIE ROD
FOR SHAFTS



Rpm limiting device

Prearrangement for independent shaft tensioning

Safety push button

Three driving rolls

Electric box

Hydraulic regulation

Prearrangement accessories connection

Double control tilting straighteners

Tilting base





















PQi
INTELLIGENT
QUOTE
POSITIONER



Double pedal unit for rolls left and right rotation

All SAF Bending machines are equipped with self-braking motor and are in conformity with "CE" Regulation

MAXIMUM PERFORMANCES DS 80 HP

PROFILE	Dimensions	Min. Radii	Tooling
1a 	140 x 30 150 x 30	300 400	TRS TRS/RSP/TI
1b 	80x20/100x12 100 x 20	500/800 700	TRS/RSP TRS/RSP/TI
2a 	50 60	250 400	TRS TRS/TI
3a 	80 x 80 x 8 90 x 90 x 9	250 600	TRS/RSP TRS/RSP/TI
3b 	80 x 80 x 8 90 x 90 x 9	350 700	TRS/RSP/RCD TRS/RSP/RCD/TI
5a 	80 x 80 x 8 80 x 80 x 10	350 450	TRS TRS/TI
5b 	80 x 80 x 8 80 x 80 x 10	350 450	TRS TRS/TI
6a 	120 x 55 x 7 160 x 65 x 7,5	300 400	TRS TRS/RSP/TI
6b 	120 x 55 x 7 160 x 65 x 7,5	300 400	TRS TRS/RSP/TI
7a 	IPE 160 IPE 200	350 450	RSP/TI RSP/TI
7b 	IPE 100 IPE 200	4000 6000	HE/RSP/TI HE/RSP/TI
9a 	100 x 3 120 x 3	600 1000	TT TT/TI
9b 	101,6 x 3,6 114,3 x 4	500 800	TT TT/TI
9c 	60 70	250 400	TT TT/TI
10a 	120 x 60 x 3,2 130 x 40 x 3,2	700 1000	TRS/TSP TSP/TI
10b 	90 x 50 x 3,2 130 x 40 x 3,2	600 1000	TRS/TSP TSP/TI
11a 	80 x 80 x 3,2 100 x 100 x 4	600 1000	TRS/TSP TSP/TI
12a 	80 x 45 x 3 120 x 60 x 3	800 1000	RSP RSP/TI
12b 	80 x 45 x 3 120 x 40 x 3	700 1000	RSP RSP/TI
13a 	a70xb100xc50	450	RSP

NOTE on the maximum bending performances

Row 1: Maximum performances without independent shaft tensioning rods.

Row 2: Maximum performances with independent shaft tensioning rods and, in most cases, with special rolls and equipment.

The minimum bending radii require, in some cases, multi-pass operation. For further details, contact our technicians. The above mentioned performances are indicative and not binding.

TOOLING LEGEND:

RCD = Right lateral correcting tool for angles bent

RCS = Left lateral correcting tool for angles bent

TI = Independent tie rods (patented system)

TT = Rolls for round tubes

TSP = Rolls for aluminium and iron tubes with reduced thickness

TRS = Set of standard universal rolls (3)

RSP = Rolls for special profiles

RCC = Central correcting roll

AL = Driving shafts longer than the standard ones

TOOLING DS 80 HP

Standard equipment

- Universal standard rolls
- Upper roll hydraulic regulation
- New intelligent quote positioner
- Double pedal unit with safety push-button
- Single volume tilting base
- Service keys
- Use and maintenance manual
- Upper roll rpm limiting device

Accessories on request

- **RCD - RCS** Double straighteners for leg-in angles with mechanical movement
- **TI** Shaft tensioning tie rods
- **RSP** Rolls for special profiles
- **ROS** for winding staircase
- Swinging single control correcting tool with double hydraulic regulation
- New electronic archmeters
- Tools for wrought iron



ELECTRONIC ARCHMETER ARC. 50

Ideal instrument for measuring of internal and external bending radii, both in millimetre and inches.

To measure the bending radii is sufficient a profile portion of 130, 300 and 500 millimeter (Ask for the specific catalogue).

