The 4HEP series of 4-roll synchronized bending rolls is the latest design evolution developed by Faccin and tested by the most demanding operators in extreme environments for over 25 years. It combines power, reliability and precision in an exclusive package that makes it the state of the art in modern plate rolls.

A closed loop structure guarantees superior rolling quality and high repeatability of the products' roundness that together with the traditional ultra-wide drop end ensure maximum rigidity of the machine against high longitudinal and traverse forces.

The traditional linear RGS design of the pinching roll guarantees higher pinch forces for superior quality pre-bending. The pinch roll is supported by 4 independent bearings (2 on each side) and the bearing housing is two times larger for better lateral load absorption and guiding.

The HFS system features an external mounting of the pivoting lateral hydraulic cylinders, fixed in their highest end as standard configuration on all medium and large sizes of 4HEP to ensure a greater closeness of the bending force application points.

The 4HEP innovative design optimizes the entire rolling cycle, working in one direction and in one pass, ensuring extreme safety and the capability of being handled totally by a single operator.

SIEMENS numerical control systems are available in all versions of 4HEP series for the precise control of roller conveyors, automatic loading and unloading systems in the creation of a fully-automatic line.

4HEP bending rolls with exclusive Siemens CNC - designed and built by Faccin - are the most reliable and modern solution available amongst all rolling machines with planetary technology in the market today. The most reasonable investment for high productivity requirements when rolling plates from less than 1m and up to 10m with thickness 5 to 150 mm.
**Standard equipment**
- Planetary guides system for roll motion (PSG)
- 4 independent bearings supporting the bottom roll (MCS)
- Bearing seats with double width (WHS) on bottom roll
- Electronic synchronisation of roll parallelism (EPS)
- Hardened and polished rolls
- Mobile wheel mounted control console
- Conical device
- Lubrication system
- Emergency barrier around the machine
- CE certified machine

**Optional features**
- Side motorised rolls
- Automatic loading and unloading systems
- Motorised feeding table
- Automatic ejector
- Central and side supports
- Provision for hot rolling
- Integrated welding system
- Special colours
- CNC Siemens numerical control

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**Model/Size** | **Plate mm** | **Rolling mm** | **Prebend mm** | **Top Roll Min. mm** | **Pinch Roll Min. mm** | **Side Rolls Min. mm** | **Rolling Power Hp** | **Weight Kg** | **Dimensions mt**
---|---|---|---|---|---|---|---|---|---
4HEP 201 | 2000 | 6 | 5 | 160 | 150 | 130 | 7 | 2.500 | 4.1x1.2x1.3
4HEP 202 | 2000 | 10 | 8 | 210 | 180 | 160 | 12.5 | 4.500 | 4.6x1.3x1.4
4HEP 251 | 2500 | 5 | 4 | 180 | 150 | 130 | 7 | 2.900 | 4.6x1.2x1.3
4HEP 252 | 2500 | 8 | 6 | 210 | 180 | 160 | 12.5 | 5.000 | 5.1x1.3x1.4
4HEP 253 | 2500 | 14 | 10 | 270 | 250 | 190 | 15 | 7.700 | 5.3x1.4x1.5
4HEP 254 | 2500 | 20 | 14 | 320 | 300 | 230 | 25 | 10.000 | 5.5x1.7x1.8
4HEP 301 | 3000 | 7 | 5 | 210 | 180 | 160 | 12.5 | 5.000 | 5.5x1.3x1.4
4HEP 302 | 3000 | 12 | 8 | 270 | 250 | 190 | 15 | 8.000 | 5.7x1.4x1.5
4HEP 303 | 3000 | 16 | 13 | 320 | 300 | 230 | 25 | 12.000 | 5.8x1.7x1.8
4HEP 304 | 3000 | 25 | 20 | 370 | 350 | 250 | 30 | 17.000 | 5.9x2.1x2.2
4HEP 305 | 3000 | 30 | 25 | 400 | 390 | 290 | 40 | 21.000 | 6.1x2.4x2.3
4HEP 306 | 3000 | 35 | 30 | 430 | 420 | 320 | 50 | 27.000 | 6.3x2.5x2.5
4HEP 307 | 3000 | 40 | 35 | 460 | 440 | 360 | 60 | 30.000 | 7.1x2.6x2.6
4HEP 308 | 3000 | 55 | 45 | 520 | 490 | 420 | 80 | 42.000 | 7.5x2.7x2.8
4HEP 309 | 3000 | 70 | 60 | 630 | 620 | 540 | 130 | 59.000 | 8.1x3.3x3.3
4HEP 310 | 3000 | 85 | 75 | 730 | 710 | 620 | 150 | 68.000 | 8.6x3.6x3.6
4HEP 401 | 4000 | 7 | 5 | 270 | 250 | 190 | 15 | 9.500 | 6.8x1.4x1.5
4HEP 402 | 4000 | 10 | 8 | 320 | 300 | 230 | 25 | 14.000 | 6.7x1.7x1.8
4HEP 403 | 4000 | 15 | 12 | 370 | 350 | 250 | 30 | 18.000 | 6.9x2.1x2.2
4HEP 404 | 4000 | 18 | 16 | 400 | 390 | 290 | 40 | 22.500 | 7.2x2.4x2.3
4HEP 405 | 4000 | 22 | 18 | 430 | 420 | 320 | 50 | 31.000 | 7.5x2.5x2.5
4HEP 406 | 4000 | 26 | 22 | 460 | 440 | 360 | 60 | 36.000 | 8.2x2.6x2.6

* Linear Guides Design (RGS) for small sizes
* Planetary Swinging Arms Design (PSG) for medium and big sizes