

### FX4.3 STANDARD EQUIPMENT

- ELECTRONIC PHASE CONTROL for power supply
- ELECTRICAL CABINET TO EC STANDARDS
- PIN CONNECTOR for machine – mobile control unit connection
- UPPER ROLL BALANCING when front bracket opened with bearing support
- HYDRAULIC PLATE PINCHING with pressure adjustment
- ROLL HARDENING 55/60 HRC with certificate
- TWO (2) DIGITAL DISPLAYS for reading the positions of the side rolls
- MOBILE CONTROL PULPIT with all machine controls
- UPPER and LOWER ROLLS MOTORIZED with TWO (2) planetary GEARBOXES (one for each roll)
- HYDRAULIC BRAKE coupled to the planetary gearbox
- DUAL rotation SPEED with controls on pulpit (fast/slow)
- INCLINATION OF SIDE ROLLS directly from the control pulpit
- HYDRAULIC PARALLELISM OF ROLLS to guarantee maximum precision
- SIDE ROLL SUPPORTS IN STEEL WITH SCREENED BEARINGS AND BRONZE SLIDES
- HYDRAULIC THRUST CYLINDERS for side rolls WITH OVERSIZED ROD
- AUTOMATIC OPENING AND CLOSING OF front BRACKET WITH OVERSIZED RAM

### SERIES FX4.3 STANDARD OPTIONAL ACCESSORIES

- UPPER HYDRAULIC ARM
- HYDRAULIC SIDE TABLES
- CONE BENDING DEVICE located in the upper roll
- ROTATION DISPLAY
- GROUND ROLLS
- CN4I PLUS 12" colour display with programmable steps and self-learning

*For further optional equipment and technical details, please contact the manufacturer.*



Main phases of 4-roll plate bending. The second pre-bending is obtained without needing to extract and rotate the plate 180°



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All of technical specifications and illustrations shown in this catalogue are subject to change without notice.

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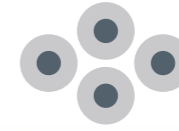


# FLEXO

BY OMEC ENGINEERING

## serie FX4.3

150 | 170 | 200 | 220 | 250 | 280  
Complete double pre-bending, 4-roll plate rolling machines



# serieFX4.3



BY OMEC ENGINEERING



The **series FX4.3** represents the hydraulic 4-roll plate rolling machines with straight guides and complete double pre-bending.

These machines are accurate, easy-to-use, and fast. They perform the double pre-bending without requiring plate extraction and turning. The plate is pinched between the upper and lower rolls, both with driven rotation. The side rolls, with independent raise and lower motion, perform the required bending during rolling.

The machines are standard equipped with a number of devices that guarantee maximum operative flexibility (see the standard equipment table).

The entire range can be equipped with CNC and other optional accessories, becoming an efficient plate rolling system with extremely short cycle times.

Roll rotation is assured by two planetary gearboxes that guarantee superior drive torque.



	MODEL	PROCESSING WIDTH MM	Ø UPPER / LOWER / SIDE ROLL (D) MM	MAX ROLLING CAPACITY			POWER KW	OVERALL WEIGHT KG	DIMENSIONS D X W X H (mm)
				1,5 X D	3 X D	5 X D			
<b>FX4.3.150</b>	FX4.3.15.150.1050	1050	150-150-130-130	5	6	7	4	2800	1400x2500x1150
	FX4.3.15.150.1550	1550	150-150-130-130	4,5	5	6	4	3050	1400x3000x1150
	FX4.3.15.150.2050	2050	150-150-130-130	4	4,5	5	4	3300	1400x3500x1150
	FX4.3.15.150.2550	2550	150-150-130-130	3	3,5	4	4	3600	1400x4000x1150
	FX4.3.15.150.3050	3050	150-150-130-130	2,5	3	3,5	4	3900	1400x4500x1150
<b>FX4.3.170</b>	FX4.3.17.170.1050	1050	170-170-160-160	7	8	9	4	3100	1500x2600x1200
	FX4.3.17.170.1550	1550	170-170-160-160	6	7	8	4	3400	1500x3100x1200
	FX4.3.17.170.2050	2050	170-170-160-160	5	6	7	4	3760	1500x3600x1200
	FX4.3.17.170.2550	2550	170-170-160-160	4	5	6	4	4100	1500x4100x1200
	FX4.3.17.170.3050	3050	170-170-160-160	3	4	5	4	4500	1500x4600x1200
<b>FX4.3.200</b>	FX4.3.20.200.1050	1050	200-200-180-180	10	12	14	5,5	3350	1650x2900x1370
	FX4.3.20.200.1550	1550	200-200-180-180	8	10	12	5,5	3700	1650x3400x1370
	FX4.3.20.200.2050	2050	200-200-180-180	6	8	10	5,5	4150	1650x3900x1370
	FX4.3.20.200.2550	2550	200-200-180-180	4	6	8	5,5	4650	1650x4400x1370
	FX4.3.20.200.3050	3050	200-200-180-180	3	5	7	5,5	5150	1650x4900x1370
<b>FX4.3.220</b>	FX4.3.22.220.1050	1050	220-220-190-190	12	14	16	5,5	3700	1790x3800x1400
	FX4.3.22.220.1550	1550	220-220-190-190	10	12	14	5,5	4250	1790x4300x1400
	FX4.3.22.220.2050	2050	220-220-190-190	8	10	12	5,5	4850	1790x4800x1400
	FX4.3.22.220.2550	2550	220-220-190-190	6	8	10	5,5	5350	1790x5300x1400
	FX4.3.22.220.3050	3050	220-220-190-190	4	6	8	5,5	5950	1790x5800x1400
<b>FX4.3.250</b>	FX4.3.25.250.1050	1050	250-250-220-220	14	16	18	7,5	4850	1960x3500x1520
	FX4.3.25.250.1550	1550	250-250-220-220	12	14	16	7,5	5600	1960x4000x1520
	FX4.3.25.250.2050	2050	250-250-220-220	10	12	14	7,5	6350	1960x4500x1520
	FX4.3.25.250.2550	2550	250-250-220-220	8	10	12	7,5	7100	1960x5000x1520
	FX4.3.25.250.3050	3050	250-250-220-220	6	8	10	7,5	7950	1960x5500x1520
<b>FX4.3.280</b>	FX4.3.28.280.1050	1550	280-280-250-250	16	18	20	9,2	5800	2100x3700x1600
	FX4.3.28.280.1550	1550	280-280-250-250	14	16	18	9,2	6650	2100x4200x1600
	FX4.3.28.280.2050	2050	280-280-250-250	12	14	16	9,2	7600	2100x4700x1600
	FX4.3.28.280.2550	2550	280-280-250-250	10	12	14	9,2	8500	2100x5200x1600
	FX4.3.28.280.3050	3050	280-280-250-250	8	10	12	9,2	9600	2100x5700x1600

THE CHARACTERISTICS INDICATED DEPEND ON THE NUMBER OF PASSES AND THE RESISTANCE OF THE MATERIAL. REFERENCE MATERIAL: YIELD STRESS: 340N/MM<sup>2</sup>; BREAKING STRENGTH: 440N/MM<sup>2</sup>; CONE ROLLING: < 70% MACHINE CAPACITY. THE MACHINES COMPLY WITH THE CURRENT HEALTH AND SAFETY STANDARDS (EG. MACHINERY DIRECTIVE).

