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Mfg.of
**SHEET METAL
MACHINERY**

www.rajeshgizelis.com

The Company

We are glad to introduce ourselves as **RAJESH GIZELIS CNC AUTOMATION LLP** engaged in Manufacturing of sheet metal & all type of fabrication machines specially in to Press Brakes and Shearing machines. Rajesh Gizelis Technologies presents a new Production range of machines with a series of Press Brakes and Shears. This new production line was born because of the need to provide indian customers the Best solution concerning the sheet metal processing machinery. Rajesh Group & Gizelis S.A. has established a new joint venture company in a Rajkot, Gujarat with a state of the art in house manufacturing facility. Gizelis S.A. (a Greek Manufacturer) and Rajesh Group (a Indian Manufacturer) have a combined 84 years of experience and produced thousands of sheet metal processing machineries. Rajesh Indian along with Gizelis both has rich experience on this specific field ensures that the customer is going to get the best solution with a full range of high-quality sheet –metal processing machines.

The core strength at **Rajesh Gizelis CNC Automation LLP** are its people who are driven by the mantra of
Let's Grow Together.....



Competitive Advantages

- ✓ European Design
- ✓ European Components
- ✓ European Made Cylinder
- ✓ Crowning System made from Europe
- ✓ Bosch Rexroth / Hoerbiger Hydraulic System
- ✓ Schneider Make Servo System
- ✓ European Make Tooling
- ✓ New Process
- ✓ New R&D
- ✓ New Design
- ✓ New Mind set
- ✓ New Innovation
- ✓ Efficient after sales Service

— all become **one** —

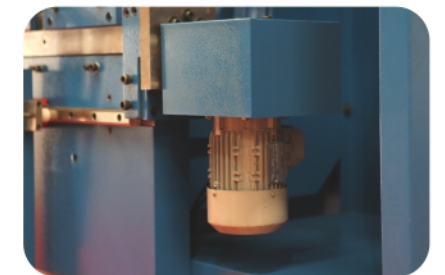
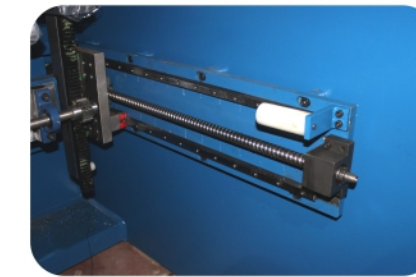


RG - Bend



Standard Equipments

- ✓ Industrial control Cybelec/Delem
- ✓ Y1, Y2 independent hydraulic cylinders, proportional valve technology
- ✓ Extra welded-steel side frames
- ✓ Single-axis back gauge system X
- ✓ Mechanical upper tool clamping
- ✓ Mechanical lower tool clamping
- ✓ Efficient, low-noise and accurate hydraulic system Bosch Rexroth
- ✓ Beam movement on two double roller bearings on each side
- ✓ Strong and stable construction
- ✓ Throat Depth: 400mm
- ✓ Daylight: 430mm
- ✓ Stroke: 250mm
- ✓ Safety system using photocells
- ✓ Bending length: 2600mm/3100mm/4100mm
- ✓ Usable space between frames: 2050mm/2550mm/3550mm

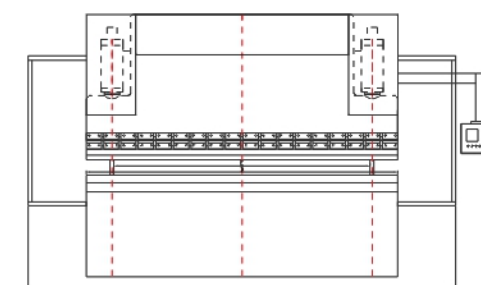
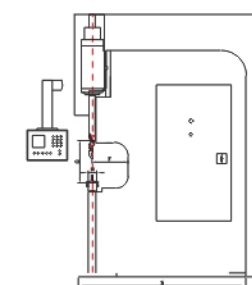


RG - Bend

Technical Specification

		RG - Bend 1540	RG - Bend 2080	RG - Bend 2580	RG - Bend 3110	RG - Bend 3140
Bending force	[tons]	40	80	80	110	140
Working length	[mm]	1550	2100	2600	3100	3100
Distance between uprights	[mm]	1050	1550	2050	2550	2500
Throat depth	[mm]	350	400	400	400	400
Daylight	[mm]	410	430	430	430	430
Punch stroke	[mm]	200	250	250	250	250
Table width	[mm]	80	80	80	80	80
Fast speed	[mm/sec]	200	140	140	140	160
Working speed	[mm/sec]	15	12	12	12	12
Upstroke speed	[mm/sec]	160	110	110	110	120
Hydraulic pressure (max)	[bar]	275	275	275	275	275
Main electric motor	[kW]	9	11	11	11	15
Length	[mm] A	2200	3000	3500	4100	4100
Width	[mm] B	1530	1700	1700	1700	1800
Height	[mm] C	2400	2600	2700	2700	2900
Weight (approximate)	[kg]	4500	5500	7000	8500	10000

RG - Bend 3175	RG - Bend 3210	RG - Bend 4140	RG - Bend 4210	RG - Bend 4290	RG - Bend 6210	RG - Bend 6290
175	210	140	210	290	210	290
3100	3100	4100	4100	4100	6100	6100
2500	2500	3550	3550	3550	5050	5050
400	400	400	400	400	400	400
430	430	430	430	430	430	430
250	250	250	250	250	250	250
80	80	80	80	220	80	220
160	160	160	160	160	160	160
12	12	12	12	12	12	12
120	120	120	120	120	130	120
275	275	275	275	275	275	275
18.5	22	15	22	30	22	30
4100	4100	5000	5000	5400	7400	7400
1850	1900	1850	1900	1250	1250	1250
2900	2900	3050	3050	3400	3600	3900
11600	13000	12000	16000	18000	24000	28000



* Working speed is limited according to safety regulations for CE countries.
** The machine is partially in the ground (special foundation required)

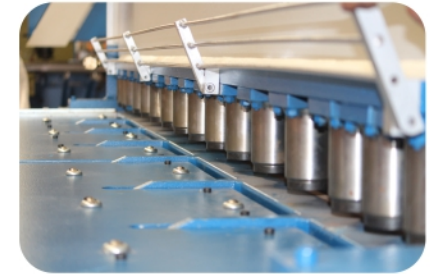
Rajesh Gizelis reserves the right to change any technical characteristics without prior notice.

RG - Cut NC



Standard Equipments

- ✓ Optimum variable rake angle hydraulic shear
- ✓ Heavy duty rigid all welded steel frame
- ✓ Colour touch screen - 7"
- ✓ More hold down near squaring arm for better holding & cutting of small parts
- ✓ Automatic programable high speed ball screw Back gauge with AC servo motor
- ✓ Special cutting blades made for mild steel and stainless steel
- ✓ Front guard for safety
- ✓ Electrical parts Schneider/ Siemens
- ✓ Hydraulic parts Yuken India / Bosch Rexroth
- ✓ Cutting Length: 2000 mm to 6000mm



RG - Cut NC

		RG - Cut NC 2504	RG - Cut NC 3006	RG - Cut NC 4006	RG - Cut NC 3008	RG - Cut NC 4008
Max. cutting thickness mildsteel	[mm]	4	6	6	8	8
Max. cutting thickness stainless steel	[mm]	2	4	4	6	6
Max. cutting length	[mm]	2500	3000	4000	3000	4000
Back guage stroke	[mm]	1000	1000	1000	1000	1000
Cutting angle	degrees	1.15	1.37	1.45	1.45	2
Main motor power	[kw]	3.5	7.5	7.5	11	15
Length	[mm]	3200	3700	4500	3800	4800
Width	[mm]	1850	2250	2250	2250	2250
Height	[mm]	1950	2400	2400	2500	2500
Weight (approximate)	[kg]	3500	6000	8100	6500	8200

Technical Specification

RG - Cut NC 3010	RG - Cut NC 4010	RG - Cut NC 3013	RG - Cut NC 4013	RG - Cut NC 3016	RG - Cut NC 4016	RG - Cut NC 3020	RG - Cut NC 4020
10	10	13	13	16	16	20	20
8	8	10	10	13	13	16	16
3000	4000	3000	4000	3000	4000	3000	4000
1000	1000	1000	1000	1000	1000	1000	1000
2	2	2	2	2	2	2	2
15	19	15	22.5	19	22.5	22.5	22.5
3800	4800	3800	4800	3850	4850	4000	5100
2350	2350	2600	2500	2600	2200	2600	2750
2600	2600	2800	2800	2800	2800	2900	2900
9000	12500	11500	15000	12000	15500	17000	20000

G - HD



Standard Equipments

- ✓ Industrial control Cybelec DNC 60
- ✓ Y1, Y2 independent hydraulic cylinders, proportional valve technology
- ✓ Extra welded-steel side frames
- ✓ Strong and stable construction
- ✓ Efficient, low-noise and accurate hydraulic system BOSCH REXROTH
- ✓ Beam movement on two double roller bearings on each side
- ✓ Single-axis back gauge system X
- ✓ Mechanical upper tool clamping
- ✓ Mechanical lower tool clamping
- ✓ Stroke & Daylight customised depending on model and customer's request
- ✓ Throat: 500mm
- ✓ Daylight: 570mm
- ✓ Stroke: 320mm
- ✓ Safety system using photocells



Beam movement on heavy-duty bronze sliders to secure safety and accuracy



Heavy-duty 2-axis back gauge, X-R



Heavy-duty clamping system up to 350t/m (optional)

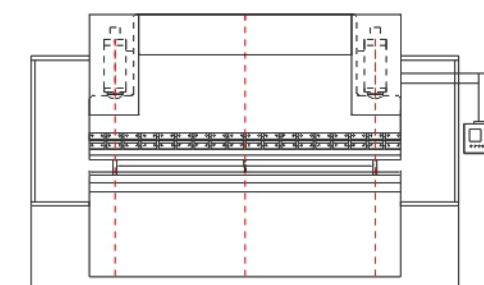
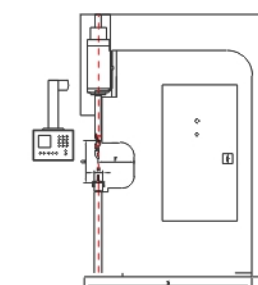
G - HD

Technical Specification

		G - HD [®] 3330	G - HD [®] 4330	G - HD [®] 4440	G - HD [®] 6330
Bending force	[tons]	330	330	440	330
Working length	[mm]	3100	4100	4100	6100
Distance between uprights	[mm]	2550	3550	3550	5050
Throat depth	[mm]	500	500	500	500
Daylight	[mm]	570	570	570	570
Punch stroke	[mm]	320	320	320	320
Table width	[mm]	250	220	220	220
Fast speed	[mm/sec]	(0 - 120)	(0 - 120)	(0 - 100)	(0 - 120)
Working speed	[mm/sec]	(0 - 10)	(0 - 8)	(0 - 7)	(0 - 7)
Upstroke speed	[mm/sec]	(0 - 100)	(0 - 90)	(0 - 90)	(0 - 90)
Hydraulic pressure (max)	[bar]	275	275	275	275
Main electric motor	[kW]	30	30	30	22
Length	[mm] A	4400	5400	5400	7400
Width	[mm] B	2100	2700	2700	2700
Height	[mm] C	3050*	3400*	3400*	3700*
Weight (approximate)	[kg]	24000	27000	33000	34000

G - HD [®] 6440	G - HD [®] 6550	G - HD [®] 6660	G - HD [®] 6880	G - HD [®] 7550	G - HD [®] 7880
440	550	660	880	550	880
6100	6100	6100	6100	7100	7100
5050	5050	5050	5050	6050	6050
500	500	500	500	500	500
570	590	590	650	590	650
320	350	350	380	350	380
220	220	220	220	220	220
(0 - 100)	(0 - 100)	(0 - 90)	(0 - 90)	(0 - 90)	(0 - 90)
(0 - 7)	(0 - 7)	(0 - 7)	(0 - 7)	(0 - 7)	(0 - 7)
(0 - 90)	(0 - 90)	(0 - 80)	(0 - 80)	(0 - 80)	(0 - 80)
255	275	275	275	275	275
30	37	45	55	37	75
7400	7400	7400	7400	8400	8400
2700	2700	2800	2800	2800	2800
3750*	3800*	4100*	4100*	3800*	4100*
45000	49000	54000	62000	65000	78000

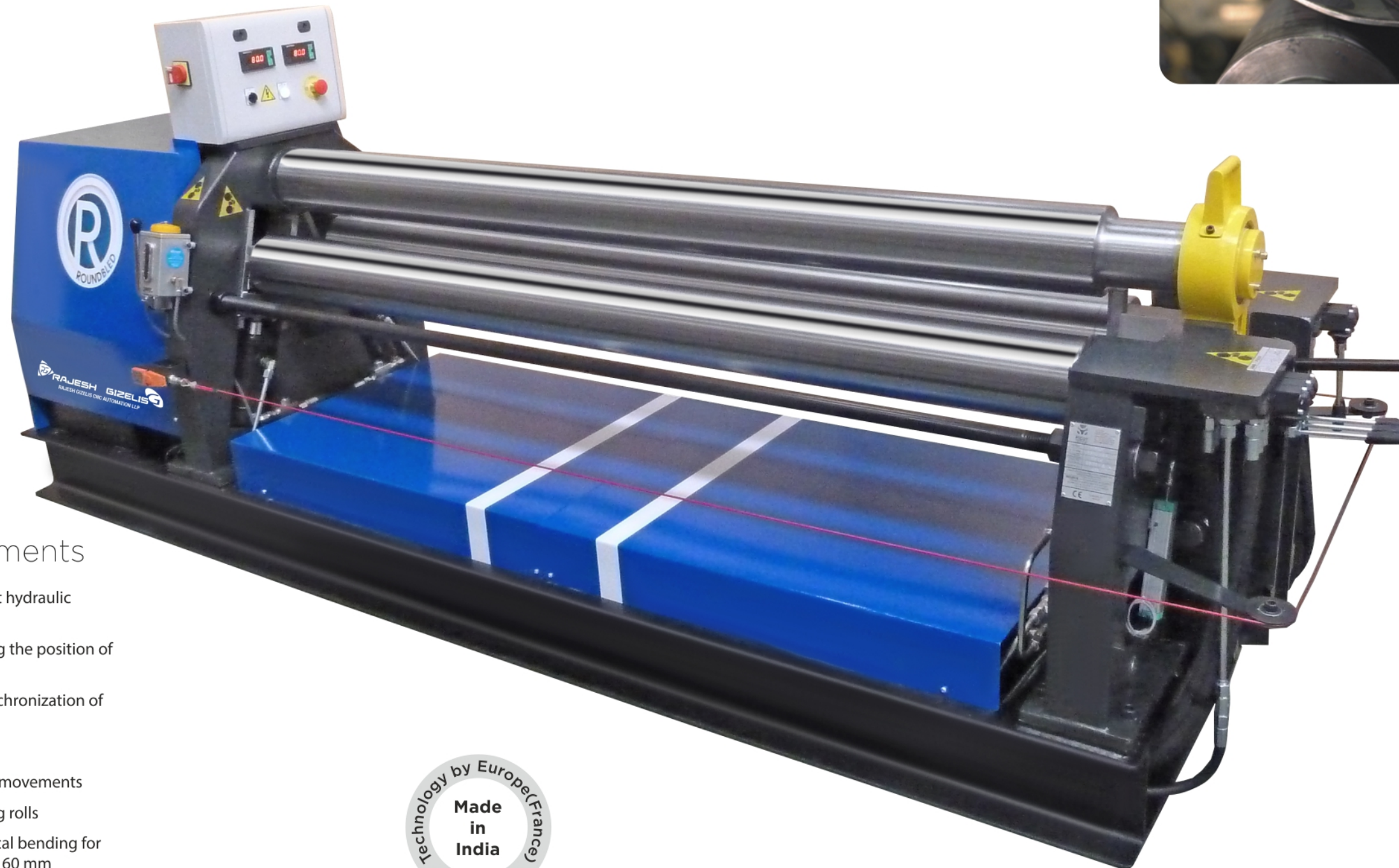
*The machine is partially in the ground. (special foundation required)



*The machine is partially in the ground. (special foundation required)

Plate - Rolling

Technical Specification

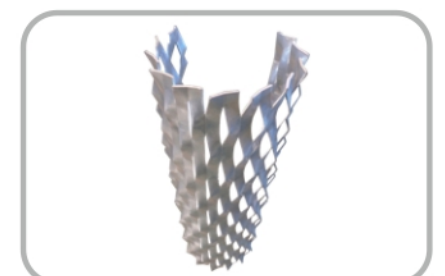
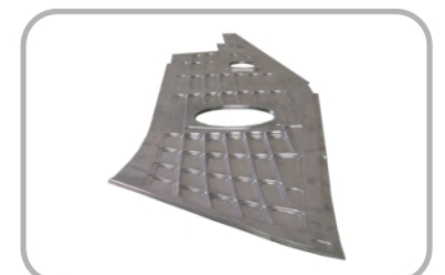
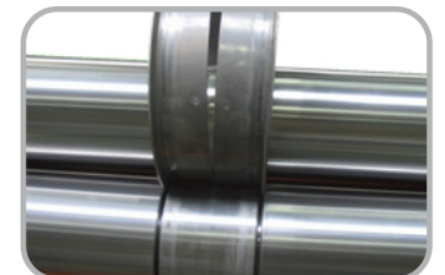


Standard Equipments

- ✓ 3 rolls driven by independent hydraulic motors
- ✓ Digital displays for controlling the position of pre-bending rolls
- ✓ Automatic and hydraulic synchronization of roll's parallelism
- ✓ Polished rolls
- ✓ Progressive regulation on all movements
- ✓ Tilting device for pre-bending rolls
- ✓ Cone device (thrust) for conical bending for machines with rolls Ø 120 & 160 mm

Options

- ✓ Hardened rolls
- ✓ Manual centralized lubrication
- ✓ Cone device (thrust) for conical bending for machines with rolls Ø 200 & 230 mm



Rajesh Gizelis reserves the right to change any technical characteristics without prior notice.

Plate - Rolling

Technical Specification

3 Rolls	Bending Length	Top Roll Diameter	* Maximum Thickness (mm)				Motor Power
			1, 3 x D		10 x D		
	mm	mm	Bending	Prebending	Bending	Prebending	Kw
R 1003	1100	90	2, 5	2	3	2	2, 2
R 1005		120	3, 5	3	4, 5	4	2, 2
R 1010		160	7	5	10	7	4
R 1014		200	11	9	14	11	5, 5
R 1016		230	13	11	16	14	7, 5
R 1502	1600	90	2	1, 5	2, 5	1, 5	2, 2
R 1504		120	2, 5	2	3, 5	3	2, 2
R 1509		160	6	4, 5	9	6	4
R 1512		200	10	8	12	9	5, 5
R 1514		230	12	10	14	12	7, 5
R 2003	2100	120	2	1, 5	3	2, 5	2, 2
R 2007		160	5	4	7	5	4
R 2010		200	8	6	10	8	5, 5
R 2012		230	10	8	12	10	7, 5
R 2506	2600	160	4	3	6	4	4
R 2509		200	1	5	9	7	5, 5
R 2511		230	9	7	11	9	7, 5
R 3004	3100	160	2	1, 5	4	3	4
R 3008		200	6	4	8	6	5, 5
R 3010		230	8	6	10	8	7, 5

► RCS

3 Rolls

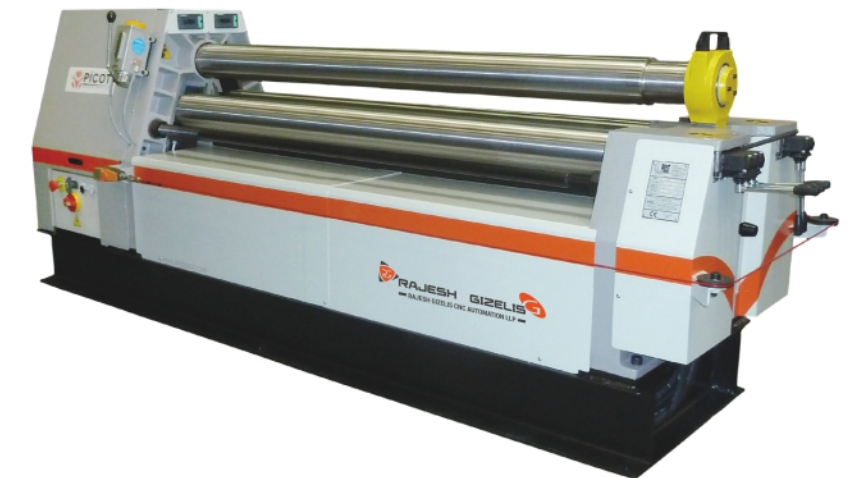
Capacity: 2 - 40 mm*
Useful length: 1 - 6 m



► RCE

3 Rolls

Capacity: 0,5 - 40 mm*
Useful length: 1 - 2 m



► R4C

4 Rolls

Capacity: 8 - 50 mm*
Useful length: 1 - 4 m



Optional Equipments

CybTouch 12, 12" Touch Screen, 2D graphics controller

Cybelec Modeva Pac, 15" Touch Screen, 2D graphical controller

Modeva RA, 15" Touch Screen, 3D graphical controller

Manual anti-deflection system (crowning)

CNC-controlled anti-deflection system (crowning)

ROL200, Fast mechanical clamping with vertical tool exchange
(standard tools/ no tool modification required)

ROL 1, Fast mechanical upper-tool clamping with vertical tool exchange
(standard tools/ no tool modification required)

Manually Measuring Bending Angle and Bending Program Correction

Single-axis back gauge, X

2-axis back gauge, X-R

4-axis back gauge, X-R-Z1-Z2

Safety laser Fiessler AKAS-LC, manual adjustment depending on the upper-tool height

Front support with brushes, movable on liner guide, height adjustable (2 pieces)

Heavy-duty front supports, moveable on linear guides (height adjustable) (2 pieces)

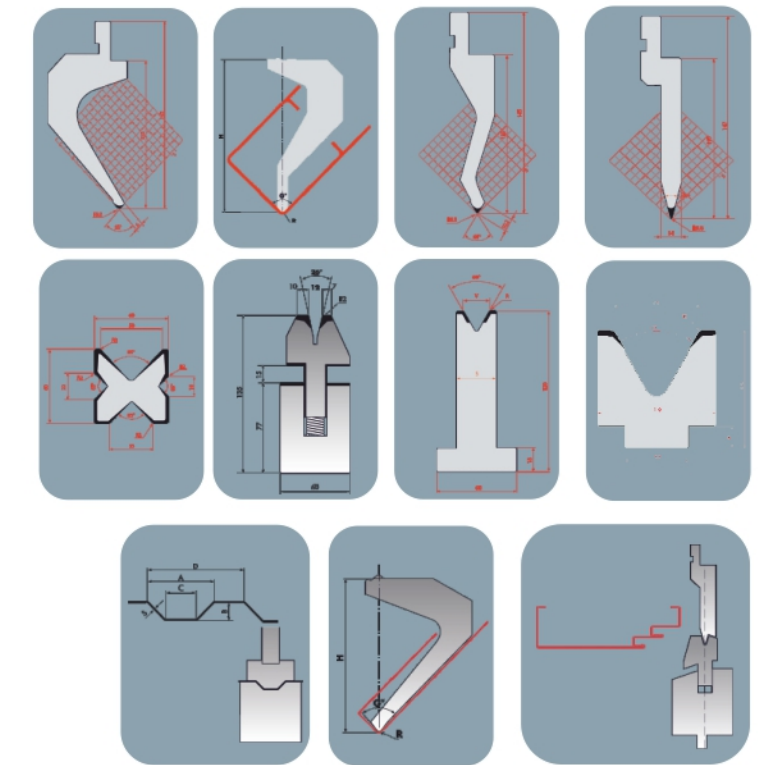
Air-condition system for installation in countries with extreme weather conditions

BG Soft, CAD/CAM Bending Software with auto tool selection and bend sequence selection (Compatible with all Cybelec's controllers)

Tooling

Standard of Special

- ✓ Complete range of standard and special tools for any application
- ✓ Collaboration with top-class European tool manufacturers
- ✓ Constant customer support on tool/machine set-up



42 kg/mm ²																					
S mm	4	5	6	8	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	V	
	0.5	0.7	0.8	1	1.3	1.5	2	2.5	3.2	4.4	5	6.5	8	10	12	15	20	25	37	B	
0.6	6	5	3	2																Ri	
0.8	12																				
1		15			4																
1.2																					
1.5																					
2																					
2.5																					
3																					
4																					
5																					
6																					
8																					
10																					
12																					
15																					
20																					
25																					

30°	Bx1.6	R=20kg/mm²	rx0.8
60°	Bx1.1		
90°	Bx1	R= 42kg/mm²	rx1
120°	Bx0.9		
150°	Bx0.7	R= 70kg/mm²	rx1.4

70 kg/mm ²																					
S mm	4	5	6	8	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	V	
	3	3.5	4	5.5	6.5	8	10.5	13	16.5	21	26	32.5	41	52	65	81.5	104	130	163	B	
	0.5	0.7	0.8	1	1.3	1.5	2	2.5	3.2	4.4	5	6.5	8	10	12	15	20	25	37	Ri	
0.6	10	8	6	4																	
0.8	20	15	12	8	6																
1		25	19	13	10	8															
1.2			30	21	15	12	8														
1.5				35	26	20	113	10													
2					50	38	26	19	15												
2.5						66	45	33	24	18											
3							71	52	38	27	21										
4								101	73	53	38	30									
5									126	90	66	48	37								
6										142	103	76	55	42							
8											202	147	117	77	59						
10												252	182	131	96	74					
12													288	207	151	110	83				
15														354	258	189	135	104			
20															504	367	263	192	148		
25																603	448	328	240	Et/m	

30° Bx1.6 R=20kg/mm² rx0.8

60° Bx1.1

90° Bx1 R= 42kg/mm² rx1

120° Bx0.9

150° Bx0.7 R= 70kg/mm² rx1.4

BOSCHERT Products



CNC Punching Machine

Compact 750x2000 1 810 x 2080 mm
Compact 1000x2000 1060 x 2080 mm
Compact 1250x2000 1310 x 2080 mm

Cu profi (CNC Busbar Punching Machine)

Length: 4000 mm (Option 6000 mm)
Width: 15-200 mm
Thickness: 3-15 mm
Punching force: 1 x 400 KN



Manual Punching Machine

EL 300 x 500 370 x 700
EL 500 x 1000 570 x 1200
EL 750 x 1500 820 x 1700



Fiber Laser

Working area	3015	4020
X-Axis	3000 mm	4000 mm
Y-Axis	1500 mm	2000 mm
Z-Axis	250 mm	250 mm



Notching Machine

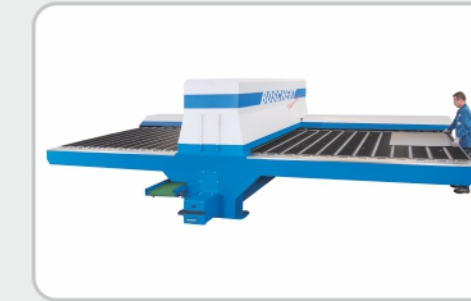
LB12/4 LB12/6
LB13 Standard
LB 13 KE
LB 13 KE Quick
K30-120 MiniS
LB 15/2000



Rajesh GROUP



BOSCHERT



GIZELIS



PICOT





RAJESH GIZELIS CNC AUTOMATION LLP

📍 Survey No. 86, Plot No. 1/3/4,
Village - Veraval-Shapar, Tal. Kotdasangani,
Dist. Rajkot - 360 024 (Gujarat) India.

☎ +91 2827 234300
👤 +91 99090 90977
✉ info@rajeshgizelis.com
🌐 www.rajeshgizelis.com

