

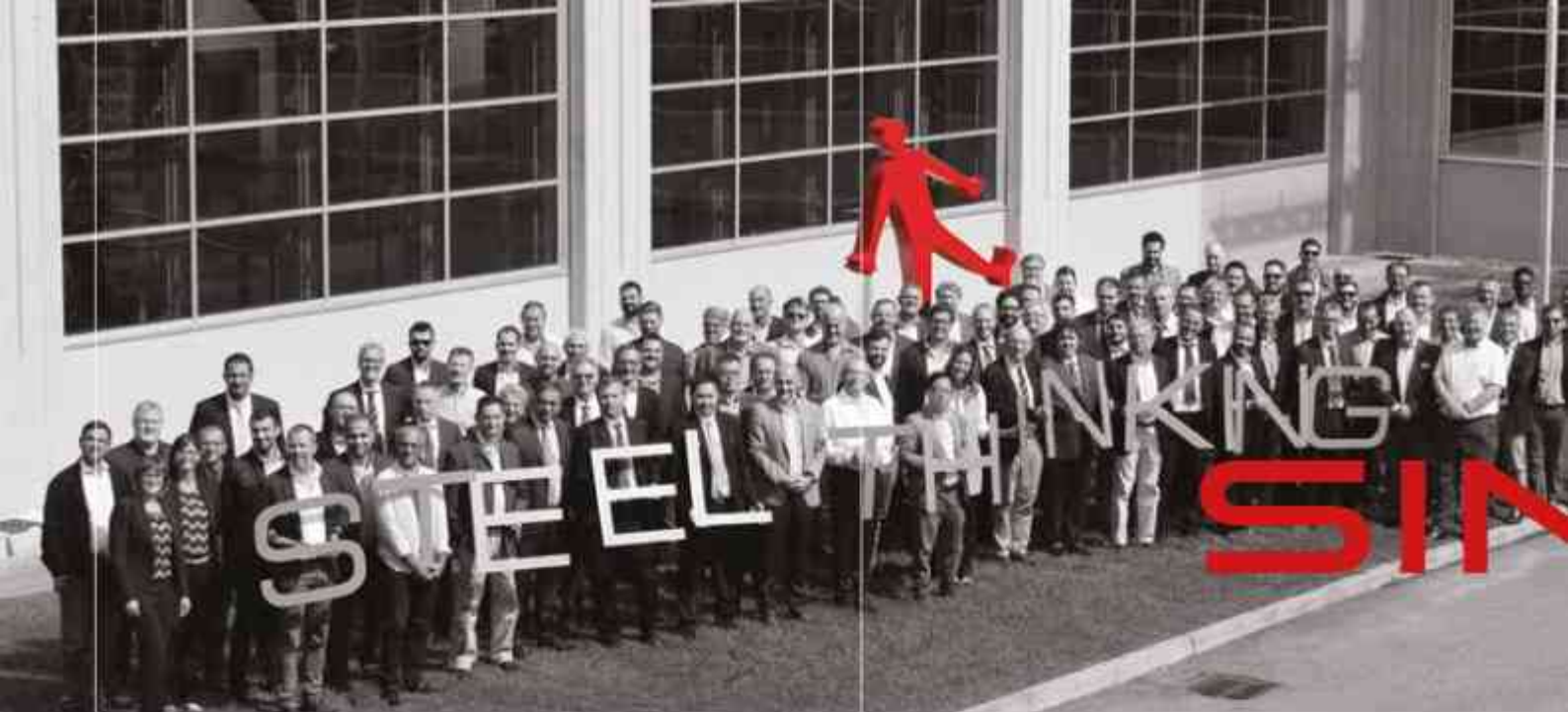


ANGLES & FLATS
BEAMS & PIPES
PLATES
SURFACE TREATMENT
ROBOTIC WELDING
SOFTWARE & AUTOMATION

STEEL CONSTRUCTION

Range of machines and systems





FICEP was founded in October 1930 in Gazzada Schianno, near Milan, as **"FABBRICA ITALIANA CESOIE E PUNZONATRICI"** Italian Shears and Punching Machines Factory.



Located next to the Alps in Varese, Italy, we have dedicated and specialised production facilities. The main location in Gazzada Schianno (Varese, Italy), which comprises over 100.000 square meters, also contains Corporate Headquarters, Research & Development, Academy of Technology, Showroom and the main after sales service departments.



ALMOST A CENTURY OF EXPERIENCE, FORGING OUR WAY INTO THE FUTURE

Through a continuous development which began over 90 years ago, we have become the largest producer in the world today of automated systems for the fabrication of structural steel and one of the most recognized producers of equipment for the forging industry. Our extensive product range of innovative products and their aggressive penetration of the world market have been achieved by the creation and following consolidation of many subsidiaries all over the world.

NCE 1930

Our mission is to satisfy the demand of machinery and systems for the high quality processing of metal profiles in the most profitable markets on a global basis, promoting the Ficep brand and trademark with prestige.

Thanks to our innovative products, attention to service, highly qualified staff and capability to understand the customer processes, we are the leading manufacturer and supplier of complete solutions, providing a complete range of high technology systems for the structural steel construction, metal fabrication and forging industries.



FICEP

STEEL THINKING



MANUFACTURING UNITS

Casale Litta

ANGLE LINES ASSEMBLY PLANT

The Casale Litta plant covers an area of 12.000 square meters and is focused on the assembly of our CNC lines for the processing of angles and plates.

SAWING LINES ASSEMBLY PLANT

The Castronao plant, with its 22.000 square meters area, is entirely dedicated to the assembly of sawing equipment.

WORKING CENTER

In Crosio della Valle, in an area of 6.000 square meters, to which today we added a brand new area of 35.000 square meters, our super modern working centers for the production of small and medium mechanical components are working non-stop seven days a week.



STRENGTH POINTS

Education, quality and full-service: there are different strategies to become a winner.

ACADEMY

Ficep Academy represents the tangible symbol of our educational philosophy: we have always been committed to the sharing of competences and know-how, and with this over 3.000 square meters structure can offer a truly unique experience for the users of Ficep's technology. Ficep Academy aims at providing constant updating in the six training rooms and in the two conference rooms at disposal, where training courses are organized.

SHOWROOM

Thanks to our permanent showroom of 2.000 m² within the Ficep Academy, at our headquarters in Gazzada, we can make machines of all sizes available to all our clients. To define it dynamic is not just an expression but a real fact: the installed machines, in fact, are fully operating and can execute all the main operations requested by customers in this sector, starting directly from the drawing of the pieces to be produced and carrying out real tests on the machines on display.

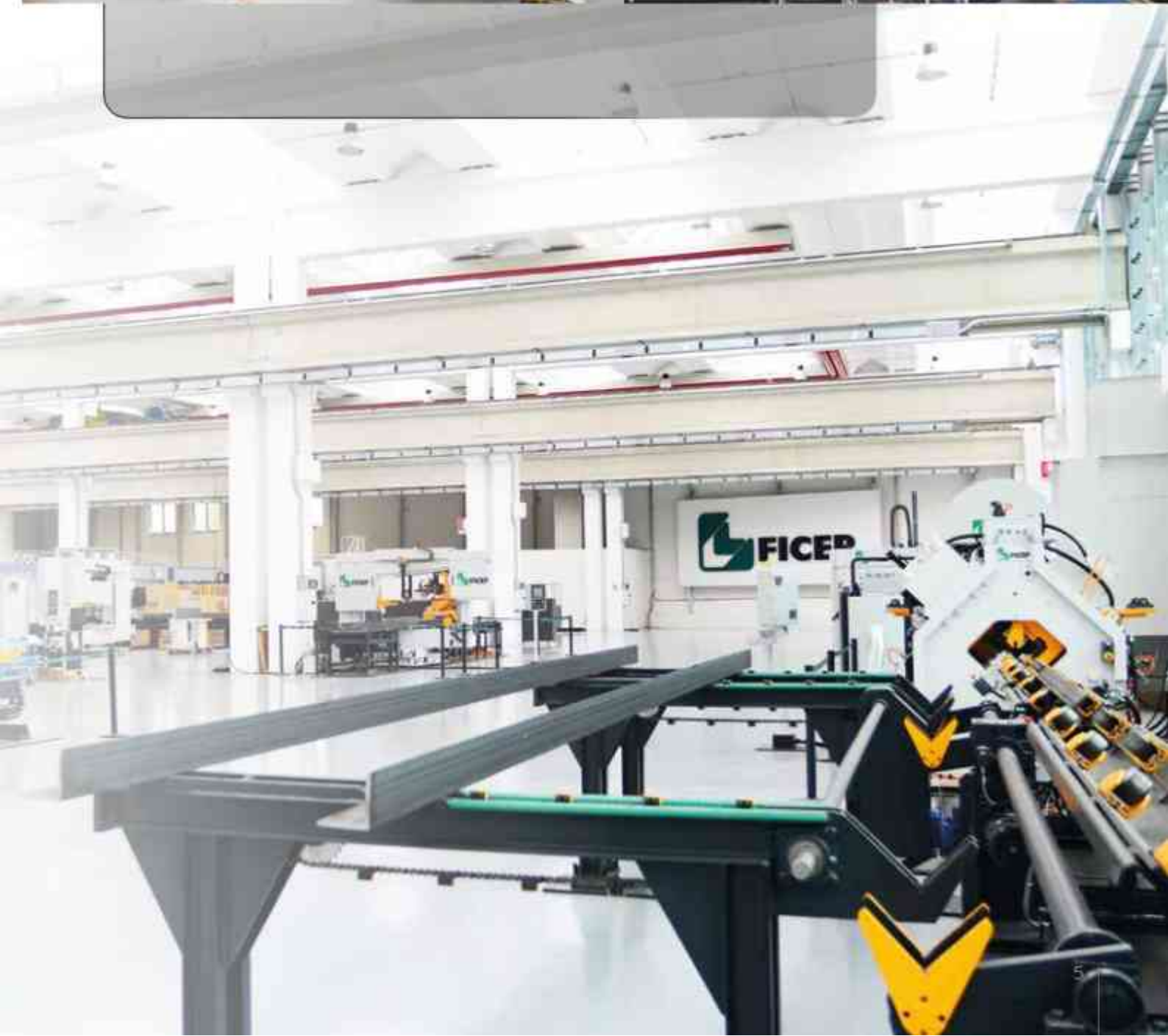
It is then possible to perform punching, drilling, marking, scribing, milling, shotblasting, thermal cutting (plasma and oxygen cutting) and shearing operations, all on the typical workpieces processed in modern structural works, such as angular and flat profiles, plates, beams and tubes.



Castroonno



Crosio della Valle



STEEL CONSTRUCTION





XP R
XP T
A & HP
RAPID
TIPO D4
TIPO D50-F

EXCALIBUR & VICTORY
ORIENT
VANGUARD
VALIANT
ENTERPRISE
KATANA
FLEX
NOZOMI
LEXINGTON

P
KRONOS
GEMINI
ENERGY
TIPO A
TIPO B
TIPO G

RB GL
RB G
RB HD

SABRE
E-LEXINGTON

PLM SOFTWARE

ANGLES & FLATS

Our CNC angle and flat line solution gives the opportunity to process not only angles but also channels and flats. The range includes CNC lines able to perform high performance punching, drilling, shearing, sawing, notching and marking operations.



BEAMS & PIPES

Our beam processing range includes CNC beam drilling machines with one, two, three spindles or more. They can perform as stand alone units as well as combined in line with a wide variety of sawing lines for the processing of straight and miter cuts, and with robotic coping machines to match all activities required in the structural fabricating industry like flange thinning, coping, splitting, weld prep etc.



PLATES

We offer the widest range of CNC solutions for plate fabrication that goes from single operation drilling and punching systems, to fully integrated CNC working cells suitable to start with raw material and end with the finished part after completion of all the necessary operations such as drilling, milling, punching, marking, scribing and cutting the part to the desired size and shape.



SURFACE TREATMENT

Together with our technology partner Wheelabrator we offer in the market high performance shotblasting and painting solutions, all integrated with our CNC drilling, sawing and coping lines into fully automatic layouts. Our customers can rely on the world-leading suppliers of the most advanced solutions for steel processing and fabrication.



ROBOTIC WELDING

Ficep and AGT Robotics: together we offer more automatic and robotic processing solutions. The FICEP SABRE and E-LEXINGTON, powered by AGT Robotics, in combination addresses the most labor intensive and challenging processes that fabricators are facing in today's market. They eliminate manual layout and automate the welding processes of rolled structural steel shapes, fabricated beam sections, and more.



SOFTWARE & AUTOMATION

Together with our software company Steel Projects we have developed a sophisticated software to analyze the effective production capacity based on each project's requirements and different plant layout proposals. All our customers worldwide can benefit from FICEP Intelligent Steel Fabrication capability to optimize their production!



Process Icons



PUNCHING



MILLING



DRILLING



TAPPING



NOTCHING



BAND SAWING



MARKING



OXY-FUEL



SHEARING



PLASMA



SCRIBING



PLASMA BEVEL



COUNTERSINKING



DISC SAWING



ANGLES & FLATS

XP R
XP T
A & HP
RAPID
TIPO D4
TIPO D50-F

**XP^R**

CNC punching and shearing lines for the processing of angle



XP-R CNC punching and shearing line for angles	XP10R2	XP10R4	XP12R4	XP12R6	XP16R2	XP16R4	XP16R6
Angle size (410 N/mm ²) (min. mm)	30x30x3	30x30x3	30x30x3	30x30x3	30x30x3	30x30x3	30x30x3
Angle size (410 N/mm ²) (max. mm)	100x100 x13	100x100 x13	120x120 x13	120x120 x13	160x160 x19	160x160 x19	160x160 x19
Diameter per flange (no.)	1	2	2	3	1	2	3
Punching force (kN)	650	650	650	650	800	800	800
Punching diameter (max. mm)	32	32	32	32	32	32	32
Shearing force (kN)	1800	1800	1800	1800	2200	2200	2200

Processes

Other section
shapes



XP T



High performance CNC punching and shearing lines for angles



XP-T CNC punching and shearing line	XP10T2	XP10T4	XP12T4	XP12T6	XP16T4	XP16T6
Angle size (410 N/mm ²) (min.mm)	30x30x3	30x30x3	30x30x3	30x30x3	30x30x3	30x30x3
Angle size (410 N/mm ²) (max.mm)	100x100x13	100x100x13	120x120x13	120x120x13	160x160x19	160x160x19
Diameter per flange (no.)	1	2	2	3	2	3
Punching force (kN)	650	650	650	650	800	800
Punching diameter (max.mm)	32	32	32	32	32	32
Shearing force (kN)	1800	1800	1800	1800	2200	2200

Processes



Other section shapes





A & HP

Diverse Solutions for Large Angle Fabrication



A & HP	A CNC punching and shearing line for angles		HP High performance CNC punching and shearing lines for angles		
	A204	A206	HP20T4	HP20T6	HP25T6
Angle size (410 N/mm ²) (min.mm)	40x40x4	40x40x4	40x40x4	40x40x4	40x40x4
Angle size (410 N/mm ²) (max.mm)	200x200x25	200x200x25	200x200x25	200x200x25	250x250x25
Diameter per flange (no.)	2	3	2	3	3
Punching force (kN)	1000	1000	1000	1000	1000
Punching diameter (max.mm)	32	32	32	32	32
Shearing force (kN)	4500	4500	4500	4500	4800

Processes



Other section
shapes



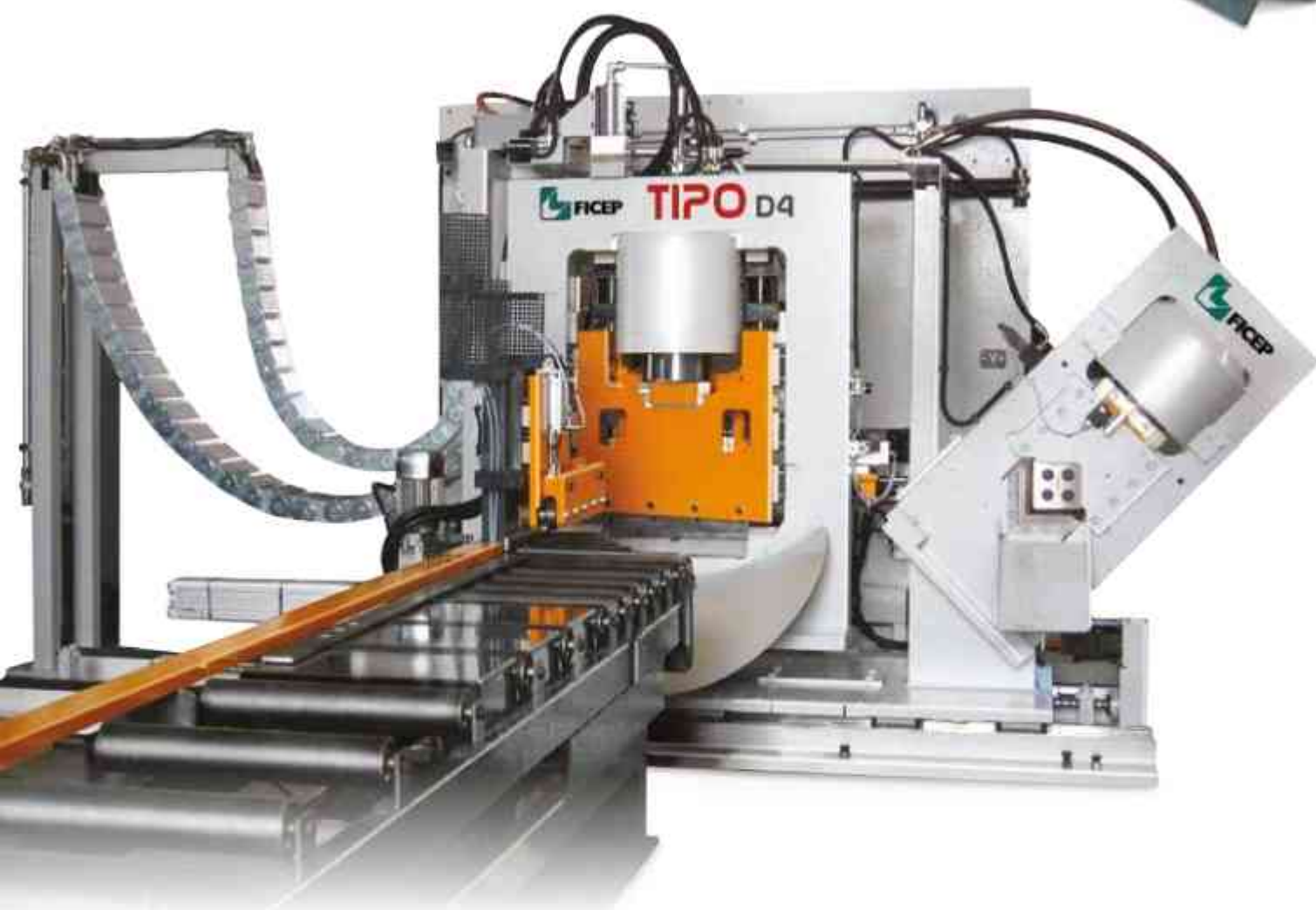


RAPID Automatic CNC high-speed drilling & cutting lines for angles	RAPID 16T	RAPID 20T	RAPID 25T	RAPID 35T
Angle size (410 N/mm ²) (min. mm)	40x40x4	40x40x4	60x60x6	60x60x6
Angle size (410 N/mm ²) (max. mm)	160x160x20	200x200x25	250x250x40	350x350x40
Drilling heads (no.)	2	2	2	2
Drilling tools per head (no.)	3 (6)	3 (6)	3 (6)	3 (6)
Drilling diameter (max. mm)	40	40	40	40
Spindle speed (max. RPM)	3500	3500	3500	3500
Spindle power (kW)	11 (15)	11 (15)	19 (27)	19 (27)
Spindle sub-axis stroke (mm)	200	200	200	200
Cutting unit	Shear (circular saw)	Circular saw (shear)	(Circular saw - Shear)	(Circular saw)

L

TIPO D4

Automatic CNC punching, drilling, shearing & thermal cutting line for flats



TIPO D4

Automatic CNC punching, drilling & shearing line for flats

TIPO D4	TIPO D4
Flat size (min.mm)	50x6
Flat size (max.mm)	510x25
Punching tools (no.)	4 (8)
Punching force (kN)	1100
Punching diameter (max.mm)	46
Shearing force (kN)	2200
Drilling heads (no.)	1
Drilling tools per head (no.)	4
Drilling diameter (max.mm)	40
Spindle speed (max.RPM)	3500
Spindle power (kW)	11 (15)
Plasma torch (no.)	1

Processes



Other section shapes



TIPO D50-F

L

Automatic CNC high speed drilling & sawing line for flats, angles, channels and pipes



TIPO D50-F Automatic CNC high speed drilling & sawing line for flats, angles, channels and pipes	TIPO D50-F
Flat size (min/max mm)	50x6/500x25
Angle size (min/max mm)	50x50x6/180x180x18
Channel size (min/max mm)	UPN 80/UPN 300
Square tube size (min/max mm)	60x60/160x160
Rectangular tube size (min/max mm)	60x40/300x100
Drilling heads (no)	2
Drilling tools per head (no)	8
Drilling diameter (max mm)	40 (50)
Spindle speed (max RPM)	3500
Spindle power (kW)	19 (27)
Cutting unit	Disc saw (+/-60° mitring)

Processes



Other section shapes





www.ficepgroup.com



BEAMS & PIPES

**EXCALIBUR & VICTORY
ORIENT
VANGUARD
VALIANT
ENTERPRISE
KATANA
FLEX
NOZOMI
LEXINGTON**



EXCALIBUR & VICTORY

Automatic CNC single spindle drilling lines for sections



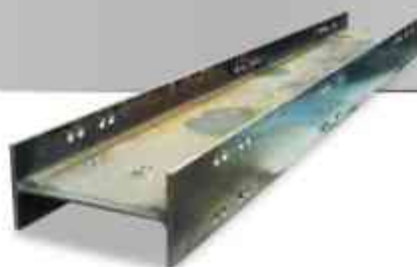
EXCALIBUR- VICTORY Automatic CNC single spindle drilling lines for sections	VICTORY 1001 EX	EXCALIBUR 1201 EX
Profile size (min. mm)	50	50
Profile size (max mm)	1000	1200
Drilling heads (no.)	1	1
Drilling tools per head (no.)	1	1 (9)
Drilling diameter (max mm)	40	40
Spindle power (kW)	17	19
Spindle speed (max RPM)	5000	5000
Spindle sub-axis stroke (mm)	-	200

Processes



Other section
shapes





ORIENT

H

Automatic CNC drilling, drilling & band sawing, drilling & coping lines for sections



ORIENT Automatic CNC monospindle drilling line	451 OR 451 OR-R	601 OR 601 OR-R	1001 OR 1001 OR-R	1101 OR 1101 OR-R	1201 OR 1201 OR-R
Section size (min.mm)	60x10	60x10	60x10	80x10	80x10
Section size (max.mm)	460x460	610x460	1015x460	1115x510	1220x610
Drilling heads (no.)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)
Drilling tools per head (no.)	6 (12)	6 (12)	6 (12)	6 (12)	6 (12)
Drilling diameter (max mm)	40	40	40	40	40
Spindle power (kW)	31	31	31	31	31
Spindle speed (max. RPM)	5000	5000	5000	5000	5000
Machine weight (kg)	8500	9500	9500	10000	10000

*Angles, square and rectangular tubes with min. side of 50 mm only on carriage and pincher feeding models

ORIENT Drilling & band sawing	451 ORB	601 ORB	1001 ORB	1101 ORB	1201 ORB
Motor power (kW)	9	9	9	15	15
Band saw blade speed (max mt/min)	170	170	170	170	170
Band saw blade size (mm)	41x1.3x7250	41x1.3x7250	41x1.3x7250	54x1.6x9920	67x1.6x10500
Machine weight (kg)	13000	14000	14000	21500	16400

ORIENT Drilling & coping	602 ORFRC	602 ORAZ	1202 ORFRC	1202 ORAZ
Oxy-fuel torch (no.)	1	-	1	-
Plasma torch (no.)	1	1	1	1
Machine weight (kg)	18500	18500	19000	19000

Processes



Other section shapes





VANGUARD Automatic CNC multi-spindle drilling line	453 VN 453 VN-R	603 VN 603 VN-R	1003 VN 1003 VN-R	1103 VN 1103 VN-R	1203 VN 1203 VN-R
Section size (min.mm)	60x10	60x10	60x10	80x10	80x10
Section size (max.mm)	460x460	610x460	1015x460	1115x510	1220x510
Drilling heads (no.)	3	3	3	3	3
Drilling tools per head (no.)	6	6	6	6	6
Drilling diameter (max. mm)	40	40	40	40	40
Spindle power (kW)	31	31	31	31	31
Spindle speed (max. RPM)	5000	5000	5000	5000	5000
Machine weight (kg)	8500	9500	9500	10000	10000

*Angles, square and rectangular tubes with min. side of 50 mm only on carriage and pincher feeding models

VANGUARD Drilling & band sawing	453 VNB	603 VNB	1003 VNB	1103 VNB	1203 VNB
Motor power (kW)	9	9	9	15	15
Band saw blade speed (max. m/min)	170	170	170	170	170
Band saw blade size (mm)	41x1.3x7250	41x1.3x7250	41x1.3x7250	54x1.6x9920	67x1.6x9000
Machine weight (kg)	13000	14000	14000	21500	16400

VANGUARD Drilling & coping	604 VNFRC	604 VNRAZ	1204 VNFRC	1204 VNRAZ
Oxy-fuel torch (no.)	1	-	1	-
Plasma torch (no.)	1	1	1	1
Machine weight (kg)	18500	18500	19000	19000





VALIANT

H

Automatic CNC drilling, drilling & band sawing,
drilling & coping lines for sections



VALIANT Automatic CNC multi-spindle drilling line	453 VL 453 VL-R	603 VL 603 VL-R	1003 VL 1003 VL-R	1103 VL 1103 VL-R	1203 VL 1203 VL-R	2003/6 VL	2003/8 VL
Section size (min. mm)	60x10	60x10	60x10	80x10	80x10	200x75	200x75
Section size (max. mm)	460x460	610x460	1015x460	1115x510	1220x610	2030x610	2030x810
Drilling heads (no.)	3	3	3	3	3	3	3
Drilling tools per head (no.)	6/14	6/14	6/14	6/14	6/14	6/14	6/14
Drilling diameter (max. mm)	40	40	40	40	40	40	40
Spindle power (kW)	31	31	31	31	31	31	31
Spindle speed (max. RPM)	5000	5000	5000	5000	5000	5000	5000
Spindle sub-axis stroke (mm)	300	300	300	300	300	300	300
Machine weight (kg)	10000	11000	11000	11500	11500	14500	15000

*Angles, square and rectangular tubes with min. side of 50 mm only on carriage and pincher feeding models

VALIANT Drilling & band sawing	453 VLB	603 VLB	1003 VLB	1103 VLB	1203 VLB	2003/6 VLB	2003/8 VLB
Motor power (kW)	9	9	9	15	15	18	19
Band saw blade speed (max. m/min)	170	170	170	170	170	170	170
Band saw blade size (mm)	41x1.3x7250	41x1.3x7250	41x1.3x7250	54x1.6x9920	67x1.6x9000	67x1.6x12100	67x1.6x12100
Machine weight (kg)	14500	15500	15500	23000	17900	31000	32500

VALIANT Drilling & coping	604 VLFRC	604 VLRAZ	1204 VLFRC	1204 VLRAZ
Oxy-fuel torch (no.)	1	-	1	-
Plasma torch (no.)	1	1	1	1
Machine weight (kg)	20000	20000	20500	20500

Processes



Other section
shapes





ENTERPRISE

Automatic gantry CNC drilling line for bridge girders and welded structures



ENTERPRISE Automatic gantry CNC drilling line	1501/8 GDD	2003/8 GDD	2503/10 GDD	3003/12 GDD	3003/18 GDD	4003/12 GDD	4003/18 GDD
Profile size (min mm)	200x100	200x100	200x100	200x100	200x100	200x100	200x100
Profile size (max mm)	1500x800	2000x800	2500x1000	3000x1200	3000x1800	4000x1200	4000x1800
Drilling heads (no.)	1	3	3	3	3	3	3
Drilling tools per head (no.)	6	6	6	6	6	6	6
Drilling diameter (max mm)	40	40	40	40	40	40	40
Spindle power (kW)	31	31	31	31	31	31	31
Spindle speed (max RPM)	5000	5000	5000	5000	5000	5000	5000
Spindle sub-axis stroke (mm)	-	250	250	250	200	250	200
Machine weight (kg)	15000	23500	24300	25000	25500	29000	30000

Processes





KATANA

H

Automatic CNC band sawing lines for sections



KATANA Automatic CNC band sawing lines for sections	K60EL	K100EL	K115L	K115EL	K126EL	K206L	K208L
Section size at 90° (min. mm)	50x10	50x10	50x10	50x10	50x10	200x10	200x10
Section size at 90° (max. mm)	610x460	1015x460	1100x510	1100x610	1250x610	2000x610	2000x810
Section size at 45° (max. mm)	610x460	685x460	710x510	850x610	850x610	1320x610	1320x810
Section size at 60° (max. mm)	460x460	460x460	460x510	580x610	580x610	1880x610	1880x810
Motor power [kW]	9	9	15	15	15	18	18
Band saw blade speed (max. mt/min)	170	170	170	170	170	170	170
Band saw blade size (mm)	41x1.3x7250	41x1.3x7250	54x1.6x9920	54x1.6x9000	67x1.6x9000	67x1.6x12100	67x1.6x12930
Machine weight [kg]	3800	4500	11500	6400	6400	16500	17500

Processes



Other section
shapes

L-U-O



FLEX

Automatic CNC thermal coping robot for sections



FLEX
Automatic CNC thermal coping robot

1201 FRC

Section size [min. mm]

80x10

Section size [max. mm]

1220x610

Oxy-fuel torch [no.]

1

Plasma torch [no.]

1

Processes



Other section
shapes





NOZOMI

H

Automatic 9 axes CNC thermal coping robot



NOZOMI Automatic 9 axes CNC thermal coping robot	601 RAZ	1201 RAZ
Section size (min. mm)	80x10	80x10
Section size (max mm)	610x450	1220x610
Plasma torch (no.)	1	1

Processes



Other section
shapes

L-U-O



LEXINGTON

Automatic CNC 4-sides scribing lines for sections



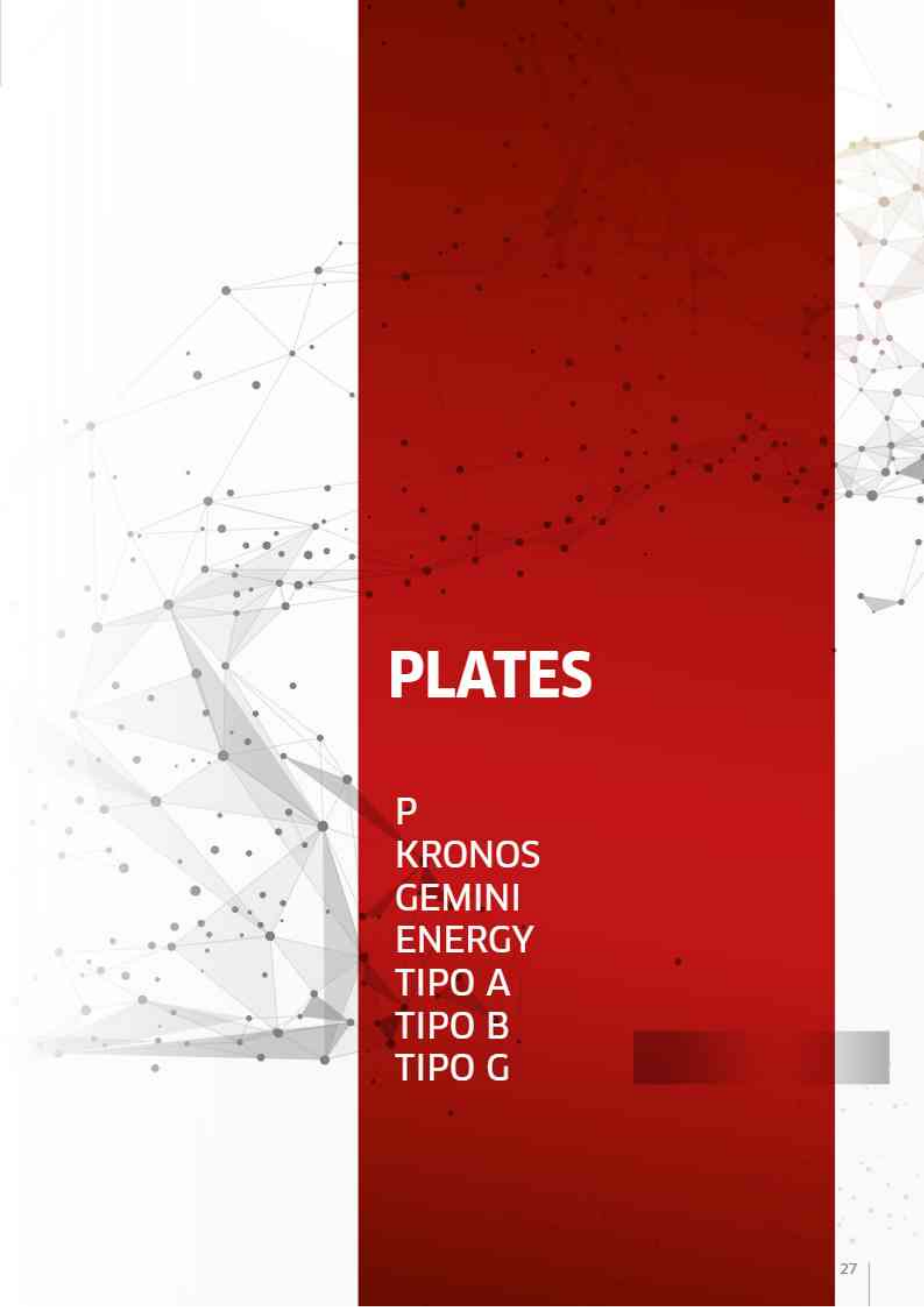
LEXINGTON Automatic CNC 4-sides scribing lines for sections	1203 VLS
Section size (min. mm)	80x10
Section size (max. mm)	1220x610
Scribing heads (no.)	4
Scribing tools per head (no.)	6
Spindle speed (max. RPM)	5000
Spindle sub-axis stroke (mm)	350
Machine weight (kg)	11500

Processes



Other section
shapes





PLATES

P
KRONOS
GEMINI
ENERGY
TIPO A
TIPO B
TIPO G



P27E

CNC plate drilling line



P27E CNC plate drilling line	P27E
Plate size (max. mm)	1000 x repositioning
Drilling heads (no.)	1
Drilling tools per head (no.)	8
Drilling diameter (max. mm)	40 (50)
Drilling thickness (max. mm)	80
Spindle power (kW)	27
Spindle speed (max. RPM)	3500

Processes



Other section
shapes





P83E & P113E

CNC plate punching lines for heavy plates



P83E & P113E CNC plate punching lines for heavy plates	P83E	P113E
Plate size (max. mm)	800 x repositioning	800 x repositioning
Punching force (kN)	800	1100
Punches (no.)	3	3
Punching diameter (max. mm)	46	46
Punching thickness (max. mm)	25	25
Drilling heads (no.)	1	1
Drilling tools per head (no.)	1	8
Drilling diameter (max. mm)	40 (50)	40 (50)
Drilling thickness (max. mm)	40	40
Spindle power (kW)	19 (27)	19 (27)
Spindle speed (max RPM)	3500	3500

Processes



Other section
shapes



KRONOS

Automatic gantry CNC high definition
plasma & oxy cutting system for plates



KRONOS Automatic gantry CNC high definition plasma & oxy cutting system for plates	KR25SP	KR32SP	KR36SP	KR25HP	KR32HP	KR36HP
Plate size (max mm)	2540x6000	3100x6000	3600x6000	2540x6000	3100x6000	3600x6000
Plate thickness with plasma (max mm)	50	50	50	80	80	80
Plasma straight torches (max no.)	1	1	1	2	2	2
Plasma bevel torches (max no.)	1	1	1	2	2	2
Plate thickness with oxy (max mm)	150	150	150	150	150	150
Oxy-fuel torches (max no.)	4	4	4	4	4	4
Drilling heads (max no.)	1	1	1	1	1	1
Drilling tools per head (max no.)	6	6	6	6	6	6
Drilling diameter (max mm)	40	40	40	40	40	40
Spindle power (kW)	15	15	15	15	15	15
Spindle speed (max RPM)	6000	6000	6000	6000	6000	6000
Machine weight (kg)	2500	2800	3000	2500	2800	3000

KRONOS Automatic gantry CNC high definition plasma cutting system for plates	KR153PC	KR204PC	KR206PC	KR208PC
Plate size (max mm)	1500x3000	2000x4000	2000x6000	2000x8000
Plate thickness with plasma (max mm)	50	50	50	50
Plasma straight torches (max no.)	1	1	1	1
Machine weight (kg)	4000	5000	7500	10000

Processes





GEMINI Automatic gantry CNC drilling, milling and thermal cutting systems for large plates	G25SP	G32SP	G25HPE	G32HPE	G36HDE	G36XD
Plate size (max. mm)	2540x6000	3100x6000	2540x6000	3100x6000	3600x6000	3600x6000
Plate thickness with plasma (max. mm)	80	80	80	80	80	80
Plasma straight torches (max. no.)	1	1	1	1	2	2
Plasma bevel torches (max. no.)	1	1	1	1	2	2
Plate thickness with oxy (max. mm)	100	100	100	100	127	150
Oxy-fuel torches (max. no.)	3	3	3	3	3	3
Drilling heads (no.)	1	1	1	1	2	2
Drilling tools per head (no.)	6	6	24	24	24	16
Drilling diameter (max. mm)	40	40	40 (250)	40 (250)	75 (400)	80 (400)
Drilling thickness (max. mm)	80	80	80	80	127	305
Spindle power (kW)	15	15	15	15	30	58
Spindle speed (max. RPM)	7000	7000	7000	7000	6000	4500
Machine weight (kg)	4500	4800	4500	4800	9500	15000



ENERGY

CNC gantry working center for plate edge milling



ENERGY CNC gantry working center for plate edge milling	3502 GDX DD	5002 GDX DD
Plate size (max. mm)	3500 x up to 60000	5000 x up to 60000
Plate thickness (max. mm)	160/250	160/250
Independent milling heads (no.)	2	2
Milling tools per head (no.) (6 tools per head are available upon request)	5	5
Milling tool diameter (max. mm)	360	360
Spindle power (kW)	70/123	70/123
Spindle speed (max. RPM)	1500/1000	1500/1000
Machine weight (kg)	28000	31000

Processes





TIPO A Automatic CNC drilling & thermal cutting systems for heavy plates	TIPO A2SLG
Plate size (max. mm)	2540x6000
Drilling heads (no.)	2
Drilling tools per head (no.)	6 (12)
Drilling diameter (max. mm)	40 (50)
Drilling thickness (max. mm)	100
Spindle power (kW)	33
Spindle speed (max. RPM)	3000
Plasma torches (max. no.)	2
Oxy-fuel torches (max. no.)	2
Machine weight (kg)	15000



TIPO B

Automatic CNC punching & thermal cutting systems for heavy plates



TIPO B Automatic CNC punching & thermal cutting systems for heavy plates	TIPO B164	TIPO B254
Plate size (max.mm)	1600x3000	2540x6000
Punching force (kN)	1000	1000
Punching tools (no.)	4	4
Punching diameter (max.mm)	32	32
Punching thickness (max.mm)	25	25
Drilling heads (no.)	1	1
Drilling tools per head (no.)	4	4
Drilling diameter (max.mm)	40	40
Drilling thickness (max.mm)	100	100
Spindle power (kW)	20,1	20,1
Spindle spindle (max.RPM)	4000	4000
Plasma torches (max.no.)	2	2
Oxy-fuel torches (max.no.)	2	2
Machine weight (kg)	8000	24000

Processes





TIPO G

Automatic CNC drilling, milling and thermal cutting system for large plates



TIPO G Automatic CNC drilling, milling and thermal cutting system for large plates	TIPO G2SLG	TIPO G31LG
Plate size (max. mm)	2540x6000	3100x6000
Drilling heads (max. no.)	1	2
Drilling tools per head (max. no.)	24	24
Drilling diameter (max. mm)	40 (250)	44/60 (400)
Drilling thickness (max. mm)	100	100
Spindle power (kW)	15	26
Spindle speed (max. RPM)	7000	7000
Plasma straight torches (max. no.)	1	2
Plasma bevel torches (max. no.)	1	2
Oxy-fuel torches (max. no.)	2	2

Processes





www.ficepgroup.com



SURFACE TREATMENT

**RB GL
RB G
RB HD**

**RB GL**

Shotblasting systems



RB GL SERIES Shotblasting systems	RB1500 4/11
Machine entrance size (mm)	1500x800
Wheels (no.)	4
Installed driving capacity (max kW)	11
Turbines diameter (mm)	380
Blades width (mm)	65
Plates width (max mm)	1500
Beam size (max)	HEB1000

Section shapes

H L - U O



RB G SERIES Shotblasting systems	RB1500G 4/11	RB2000G 6/11	RB2500G 6/11	RB2500G 8/11	RB3000G 6/15	RB3000G 8/15
Machine entrance size (mm)	1600x550	2150x150	2650x550	2650x550	3150x550	3150x550
Wheels (no.)	4	6	6	8	6	8
Installed driving capacity (max kW)	11	15	18,5	15	18,5	15
Turbines diameter (mm)	380	380	380	380	380	380
Blades width (mm)	65	65	65	65	65	65
Plates width (max mm)	1500	2000	2500	2500	3000	3000
Beam size (max)	HEB1000	HEB1000	HEB1000	HEB1000	HEB1000	HEB1000

**RB HD**

Shotblasting systems



RB HD SERIES Shotblasting systems	RB1500HD 4/18,5	RB2500HD 8/18,5	RB3000HD 8/18,5
Machine entrance size (mm)	1600x550	2650x550	3150x550
Wheels (no.)	4	8	8
Installed driving capacity (max kW)	18,5	30	30
Turbines diameter (mm)	380	380	380
Blades width (mm)	65	65	65
Plates width (max mm)	1500	2500	3000
Beam size (max)	HEB1000	HEB1000	HEB1000

Section shapes

H L - U O



ROBOTIC WELDING

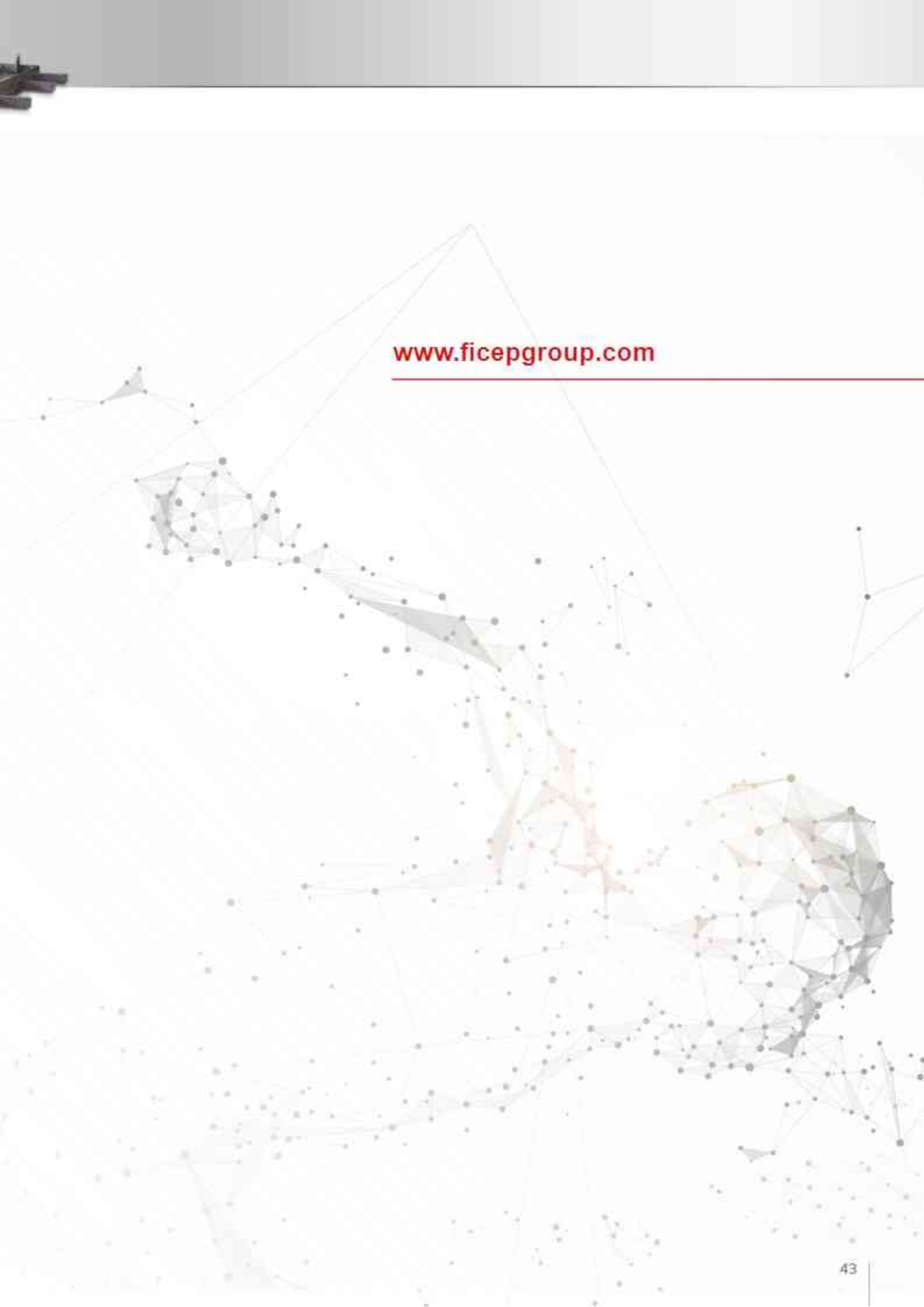
SABRE
E-LEXINGTON



SABRE & E-LEXINGTON

Robotic welding





www.ficepgroup.com



OUR FIRST GOAL

is to automate and optimize the link between the detailing office and the workshop by converting drawings into programs for CNC machines, taking into account the constraints in real time. In addition, we develop nesting algorithms (bars and plates) to optimize the use of steel and the capacities of the workshop. Finally, our digital solutions allow a total control of the shop floor: from the optimization of the workflows, through the live monitoring of production (CNC machines and manual stations), then the advanced analysis of production, ending with the complete and digitalized management of traceability.

Our software Steel Projects PLM includes a set of modular solutions to respond more precisely to every customer's needs. Our range consists of the following features:

- 1 Imports from the detailing office
- 2 Feasibility checks
- 3 Project management
- 4 Section nesting
- 5 Plate nesting
- 6 Stock & purchasing management
- 7 Interfaces with external systems
- 8 Production planning & preparation
- 9 Automation: automatic CNC data creation
- 10 Management of manual workstations
- 11 Shipping management
- 12 Erection site follow-up
- 13 Live production monitoring
- 14 Production analysis
- 15 Traceability management



To make sure not to miss out on any of our latest developments and benefit from the support of our team of experts, we also offer a maintenance contract: the SMART Program.



SOME OF OUR FEATURES ARE AVAILABLE ON MOBILE APPLICATIONS THAT WE DEVELOP ON ANDROID, FOR MORE MOBILITY TO OUR CUSTOMERS.



SOFTWARE SOLUTIONS FOR STEEL FABRICATORS



STEEL PROJECTS

is a French company that has been editing and marketing software solutions for steel fabricators since 1994.

We offer a complete, digitalized and optimized management of steel fabricators' workshops, Industry 4.0 compatible!

Today, our ambition is to remain one of the world leaders in this field.

STEEL PROJECTS IS THE SOFTWARE DIVISION OF THE FICEP GROUP.

Having understood the importance of digital technology to enhance the performance of their machines, FICEP acquired the capital of Steel Projects in 2012, after many years of collaboration.

A WORLDWIDE COMPANY!

Steel Projects is a **global company**: our head office is based in France, south of Lyon, and we also have offices in the United States, Canada, Brazil, Italy and Spain. In addition, **we are close to our customers all over the world thanks to the Ficep's network of subsidiaries.**

SINCE 1994, MORE THAN 2,000 CUSTOMERS IN OVER 90 COUNTRIES HAVE PLACED THEIR TRUST IN US!



SERVICE

**SUPPORT FOR
THE CLIENT, FAST,
EFFICIENT, FOR LIFE.**

The secret of excellence is the ability to maintain it over time. For our clients, after-sales service, training and technical assistance are at least as important as the products we produce in order to keep a high level of availability during the product life cycle.

Ficep Customer Services are managed by an **accurately trained team to respond in real time to requests from all over the world**. Professionalism, know-how and communication skills are essential requirements for all the people involved in the technical assistance and after-sales service.

With over 90 years of experience in the field, we can rely on a team of professional technicians specialized in recognizing, analysing and diagnosing a technical and/or application issue remotely thanks to their special training.

Support is offered through our **Help-Line Service**, active from Monday to Friday, and through **Ficep Tele-Service**, a telemetric assistance used to resolve software related or configuration issues, which enables anytime the remote interaction with the machine.

For more complex technical situations, our proximity to the client is guaranteed by a worldwide network of engineers and specialized technicians, ready to intervene on-site, to analyse each situation and define the most appropriate solution.



Visit our website

www.ficepgroup.com
for more information about
our Customer Service, Spare
Parts and Consumables.



Problem detection

Tele-assistance and
software update

Spare parts
detection

On-site
technical visits

Preventative
maintenance

Extra-ordinary
maintenance



APPLICATION FIELDS

Service Centers

Agricultural & Earth
Moving Equipment

Bridges

Commercial & Industrial
Structures

Transmission Towers

Onshore & Offshore
Wind Industry





FICEP S.p.A. - HEADQUARTERS
 via Matteotti, 21 - 21045 Gazzada Schianno (VA) ITALY
 Tel +39 0332 876111 • Fax +39 0332 462459
 email: ficep@ficep.it • www.ficepgroup.com



FICEP France
 FICEP Iberica
 FICEP UK
 FICEP Corporation

FICEP Hong Kong
 FICEP Russia
 FICEP Middle East
 FICEP De

FICEP Austria
 FICEP Guangzhou
 FICEP Mexico
 FICEP Korea Forge Service

FICEP Alger
 FICEP Middle East - Dubai Office
 FICEP Japan
 FICEP India