

A blurred, high-contrast black and white photograph of a steel structure, possibly a bridge or overpass, with a large H-beam in the foreground. The image is used as a background for the advertisement.

**RANGE OF MACHINES AND SYSTEMS
FOR THE STEEL CONSTRUCTION INDUSTRY**

H BEAMS

A BENCHMARK IN THE STRUCTURAL STEEL AND FABRICATING INDUSTRY

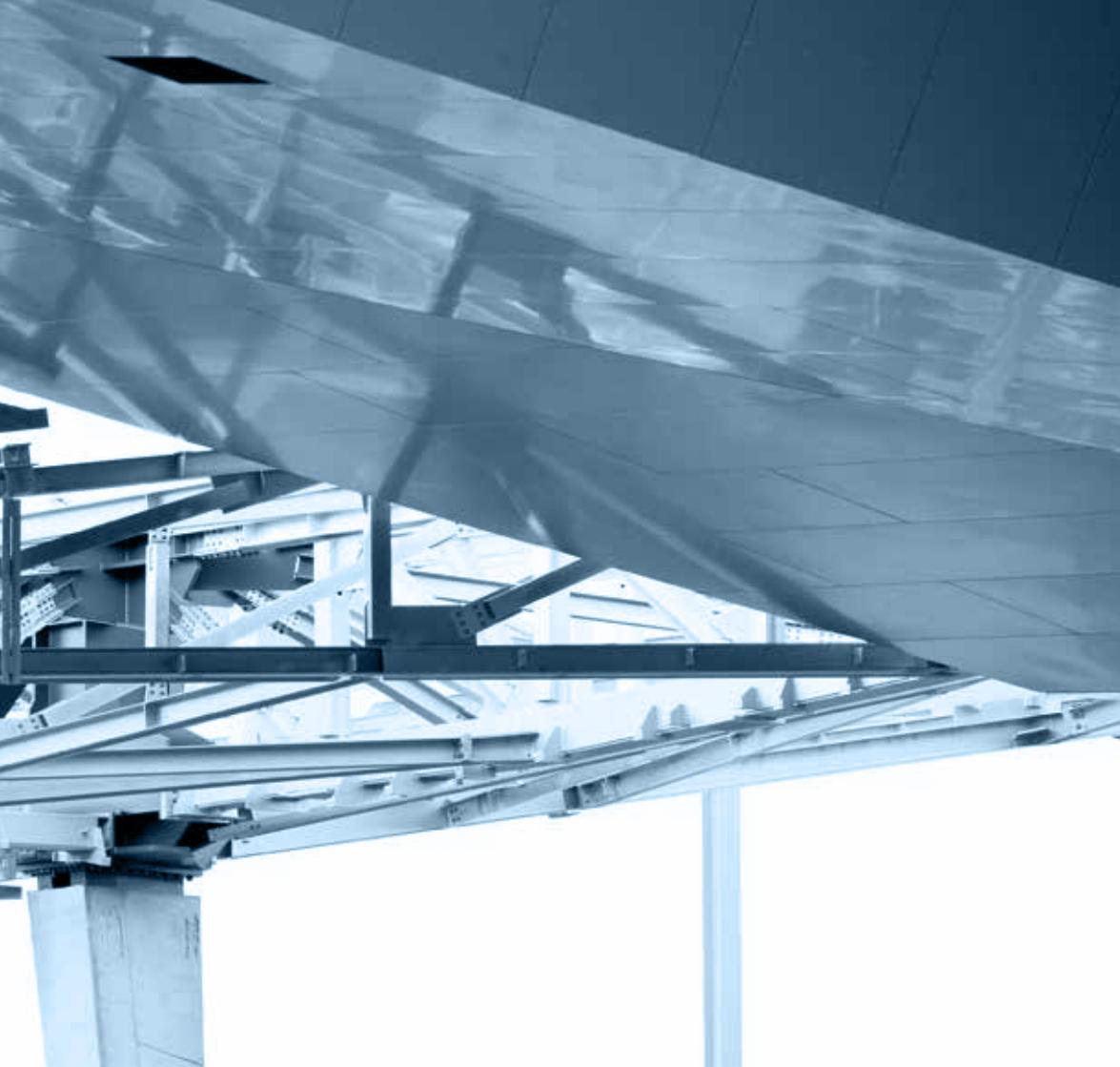
The H-I-U etc. rolled steel sections are the supporting frame of all the modern civil and industrial building construction.

Our beam processing range includes:
CNC controlled beam drilling machines with one, two, three spindles or more each suitable for the processing of beams and shaped rolled sections with small and large dimensions.

A wide variety of beam sawing lines for operations that involve straight or mitered cutting.
Robotic beam coping machines to match all activities required in the structural fabricating industry like flange thinning, coping, splitting, weld preparations etc...

All these fabrication cells that include beam drilling and sawing lines, as well as beam drilling and coping lines are equipped with the most advanced automatic handling devices such as roller conveyors and transfer tables to suit any customer requirement with his production schedule based on erection sequences.





**RANGE OF MACHINES
AND SYSTEMS
FOR THE
STEEL CONSTRUCTION
INDUSTRY**

BEAMS



1930 - 1940



1940 - 1950



1950 - 1975



Close to our Customers, at every latitude

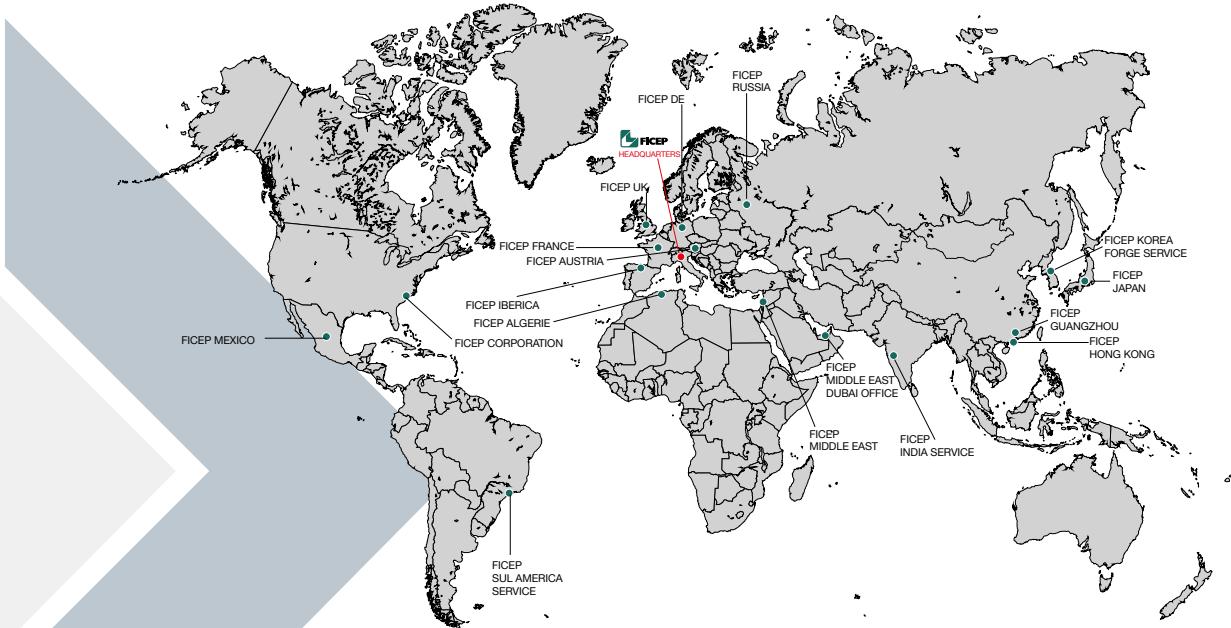
For over eight decades, the name Ficep has been synonymous with internationality and worldwide presence.

Our footprint continued to grow on an international scale, with a wide network of subsidiaries and agencies for sales, after-sales, training, and spare parts supply, covering all continents to ensure close proximity to our customers.

FICEP. A growing family

Since 1930 the management of the company is committed to ensure continuity of vision and values between the past, present and future of our company, and to maintain the most suitable organization to follow the markets evolution.

Worldwide Network





The main location in Gazzada Schianno (Varese, Italy), which comprises over 100.000 square meters, contains Corporate Headquarters, Research & Development, Academy of Technology, Showroom and the main after sales service departments. Additional plants nearby are focused on the assembly of the CNC lines for the processing of angles and plates, and of sawing equipments, as well as on the machining of small and medium size mechanical components thanks to an ultra modern machining center that works non-stop seven days a week.

At the main plant there are two machining divisions for processing welded frames for Ficep's plate and forging machines and four assembly lines for Ficep drills, copers, forging presses and plate processing equipment.



The Ficep Manufacturing Process reduces or eliminates waste in the production process and follows lean principles which have a proven track record of operational and strategic success which ultimately translates into increased value for the end customer.

Ficep is the world leader in developing and supplying automatic, intelligent steel fabrication systems.

The continuous understanding of the customer's processes allows us to keep on developing the best solutions currently available for the structural steel fabrication industry. We have a dedicated engineering department and sophisticated software in use to carry out challenging production capacity calculations based on each project's requirements and layout proposals. This way we can study the optimal solution for each type of customer.



Headquarters

Ficep manufactures the machines and develops the production management software for structural steel fabricators. Today there is around 70000 m² of covered manufacturing facilities across 5 plants. The headquarters and main plant is located in Gazzada Schianno Italy with three additional plants nearby. There is also an additional plant in Bordeaux, France.



By investing in and owning the complete manufacturing process, Ficep is able to optimize its processes and offer extremely high quality equipment. It also enables Ficep to be more flexible and innovative in its approach enabling rapid prototyping and a faster response to variable market demands



BEAMS



RANGE OF MACHINES AND SYSTEMS FOR THE STEEL CONSTRUCTION INDUSTRY



Automatic CNC
punching, drilling,
notching, shearing
and sawing
systems



Automatic CNC
drilling systems

Automatic CNC
drilling and sawing
or coping systems

Automatic CNC
coping systems

Automatic CNC
band and disc
sawing systems



Automatic CNC
punching, drilling,
milling, plasma and
oxy cutting systems

Automatic CNC
punching, drilling
and shearing
systems



Surface treatment
and shot blasting
systems



Automatic systems
solutions for
Intelligent Steel
Fabrication

AUTOMATIC CNC SINGLE SPINDLE DRILLING LINES FOR PROFILES EXCALIBUR & VICTORY

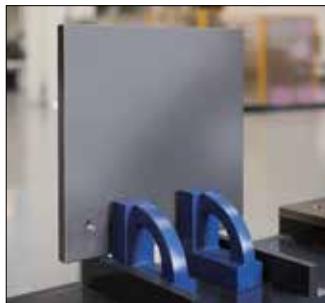




The auxiliary axis allows milling and scribing operations, as well a group of holes, thanks to its extra stroke.



Automatic tool changer with 6 positions



Device for the processing of plates



Laser measuring systems and a firm clamping device



AUTOMATIC CNC SINGLE SPINDLE DRILLING LINE EXCALIBUR & VICTORY

	VICTORY II - 1001 DE	EXCALIBUR - 1201 DE
Section size [min.mm]	50	50
Section size [max.mm]	1000	1200
Drilling heads [no.]	1	1
Drilling tools per head [no.]	1	1 (6)
Drilling diameter [max.mm]	40	40
Spindle power [kW]	17	19
Spindle speed [max.RPM]	5000	5000

AUTOMATIC CNC MONOSPINDLE DRILLING LINE - ORIENT





Orient configured with second drill head



Orient rotating drill head



6 positions tool changer



AUTOMATIC CNC MONOSPINDLE DRILLING LINE ORIENT

	601 DD	1201 DD
Section size [min.mm]	80x10	80x10
Section size [max.mm]	610x305	1200x610
Drilling heads [no.]	1 (2)	1 (2)
Drilling tools per head [no.]	6 (12)	6 (12)
Drilling diameter [max.mm]	40	40
Spindle power [kW]	17	17
Spindle speed [max.RPM]	5000	5000
Machine weight [kg]	10000	12000



Orient - Drill line combined with coping robot



Second pincher for reduced overall dimensions



Second drill head with automatic tool changer



DRILLING & BAND SAWING - ORIENT	601 DDB	1001 DDB	1101 DDB	1201 DDB
Section size at 90° [min.mm]	80x10	80x10	80x10	80x10
Section size at 90° [max.mm]	610x305	1015x450	1115x500	1220x610
Motor power [kW]	9	9	15	15
Band saw blade speed [max.mt/min]	150	170	170	170
Band saw blade size [mm]	41x1.3x6700	41x1.3x7880	54x1.6x9920	67x1.6x10500
Machine weight [kg]	13700	18000	23500	24600
DRILLING & COPING - ORIENT	602 DDRC	1202 DDRC		
Oxy-fuel torch [no.]	1	1		
Plasma torch [no.]	1	1		
Machine weight [kg]	17000	19000		

AUTOMATIC CNC MULTISPINDLE DRILLING LINE - VANGUARD





Underside web scribing device

Vertical hold downs



AUTOMATIC CNC MULTISPINDLE DRILLING LINE VANGUARD	453 DDV	603 DDV	1003 DDV	1103 DDV	1203 DDV
Section size [min.mm]	63x10	80x10	80x10	80x10	80x10
Section size [max.mm]	450x450	610x305	1015x450	1115x500	1220x610
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]	17	17	17	17	17
Spindle speed [max.RPM]	5000	5000	5000	5000	5000
Machine weight [kg]	8500	9500	9500	10000	10000



Vanguard - Drill line combined with band sawing line



DRILLING & BAND SAWING - VANGUARD	453 DDVB	603 DDVB	1003 DDVB	1103 DDVB	1203 DDVB
Section size at 90° [min.mm]	60x60	80x10	80x10	80x10	80x10
Section size at 90° [max.mm]	450x450	610x305	1015x450	1115x500	1220x610
Motor power [kW]	9	9	9	15	15
Band saw blade speed [max.mt/min]	150	150	170	170	170
Band saw blade size [mm]	41x1.3x6700	41x1.3x6700	41x1.3x7880	54x1.6x9920	67x1.6x10500
Machine weight [kg]	11600	12600	15500	21500	22600
DRILLING & COPING - VANGUARD	604 DDVFRC		1204 DDVFRC		
Oxy-fuel torch [no.]	1		1		
Plasma torch [no.]	1		1		
Machine weight [kg]	18500		19000		

AUTOMATIC CNC MULTISPINDLE DRILLING LINE - LIBERTY





Automatic material handling system



AUTOMATIC CNC MONOSPINDLE DRILLING LINE LIBERTY	453 DDE	603 DDE	1003 DDE	1103 DDE	1203 DDE
Section size [min.mm]	63x10	80x10	80x10	80x10	80x10
Section size [max.mm]	450x450	610x305	1015x450	1115x500	1220x610
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

Liberty - Drill line combined
with band sawing line





Liberty - Drill line combined with coping robot



DRILLING & BAND SAWING - LIBERTY	453 DDEB	603 DDEB	1003 DDEB	1103 DDEB	1203 DDEB
Section size at 90° [min.mm]	60x60	80x10	80x10	80x10	80x10
Section size at 90° [max.mm]	450x450	610X305	1015x450	1115x500	1220x610
Motor power [kW]	9	9	9	15	15
Band saw blade speed [max.mt/min]	150	150	170	170	170
Band saw blade size [mm]	41x1.3x6700	41x1.3x6700	41x1.3x7880	54x1.6x9920	67x1.6x10500
Machine weight [kg]	11600	12600	15500	21500	22600

DRILLING & COPING - LIBERTY	604 DDEFRC	1204 DDEFRC
Oxy-fuel torch [no.]	1	1
Plasma torch [no.]	1	1
Machine weight [kg]	17000	18500

AUTOMATIC CNC MULTISPINDLE DRILLING LINE - VALIANT





Special milling operation



Auxiliary axes with
300 mm stroke



14 positions tool-changer



AUTOMATIC CNC MULTISPINDLE DRILLING LINE – VALIANT	453 V	603 V	1003 V	1103 V	1203 V	2003/6 V	2003/8 V
Section size [min.mm]	63x10	80x10	80x10	80x10	80x10	80x10	200x75
Section size [max.mm]	450x450	610x305	1015x450	1115x500	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





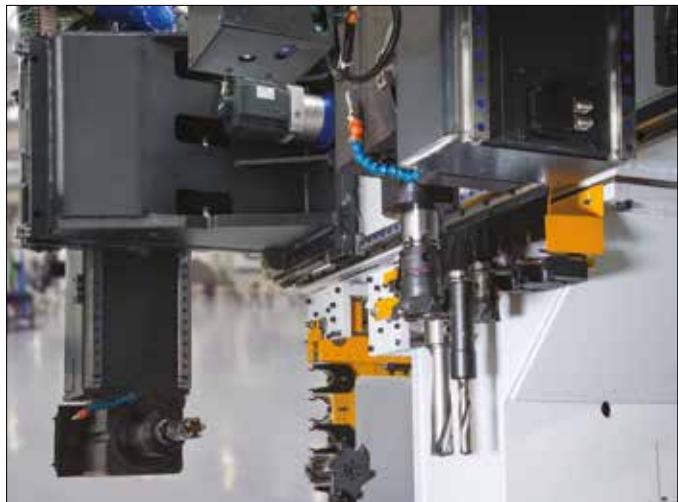
Automatic system layouts



DRILLING & BAND SAWING VALIANT	453 VB	603 VB	1003 VB	1103 VB	1203 VB	2003/6 VB	2003/8 VB
Section size at 90° [min.mm]	60x60	80x10	80x10	80x10	80x10	200x10	200x10
Section size at 90° [max.mm]	450x450	610x310	1015x450	1100x510	1250x610	2000x610	2000x610
Motor power [kW]	9	9	9	15	15	18	19
Band saw blade speed [max.mt/min]	150	150	170	170	170	170	170
Band saw blade size [mm]	41x1.3x6700	41x1.3x6700	41x1.3x7880	54x1.6x9920	67x1.6x10500	67x1.6x12100	67x1.6x12100
Machine weight [kg]	13100	14100	17000	23000	24100	31000	32000
DRILLING & COPING VALIANT	604 VFRC	1204 VFRC	2004/6 VFRC	2004/8 VFRC			
Oxy-fuel torch [no.]	1	1	1	1			
Plasma torch [no.]	1	1	1	1			
Machine weight [kg]	20000	20500	21500	22000			

AUTOMATIC GANTRY CNC MULTISPINDLE DRILLING LINE - ENTERPRISE





Horizontal spindle with automatic tool changer



Mitering head for edge milling



AUTOMATIC GANTRY CNC DRILLING LINE - ENTERPRISE	2003/8 GDD	2503/10 GDD	3003/12 GDD	3003/18 GDD	4003/12 GDD	4003/18 GDD
Section size [min.mm]	200x100	200x100	200x100	200x100	200x100	200x100
Section size [max.mm]	2000x800	2500x1000	3000x1200	3000x1800	4000x1200	4000x1800
Drilling heads [no.]	3	3	3	3	3	3
Drilling tools per head [no.]	6	6	6	6	6	6
Drilling diameter [max.mm]	40	40	40	40	40	40
Spindle power [kW]	31	31	31	31	31	31
Spindle speed [max.RPM]	5000	5000	5000	5000	5000	5000
Spindle sub-axis stroke [mm]	250	250	250	200	250	200
Machine weight [kg]	17000	17500	18000	22000	18500	23000

AUTOMATIC CNC THERMAL COPING ROBOT - FLEX





plasma/oxy quick torch switch



AUTOMATIC CNC THERMAL COPING ROBOT - FLEX

1201FRC

2001FRC

2501FRC

Section size [min. mm]

80x42

200x75

300x75

Section size [max. mm]

1220x600

2000x815

2540x815

Oxy-fuel torch [no.]

1

1

1

Plasma torch [no.]

1

1

1

AUTOMATIC 9 AXIS CNC THERMAL COPING ROBOT - PLANETARIUM





AUTOMATIC 9 AXIS CNC THERMAL COPING ROBOT PLANETARIUM

601 RAZ

1201 RAZ

Section size [min. mm]

80x42

80x42

Section size [max. mm]

610x300

1220x600

Plasma torch [no.]

1

1

AUTOMATIC CNC BAND SAWING LINE - KATANA





AUTOMATIC CNC BAND SAWING LINE – KATANA	K60L	K100L	K100EL	K115L	K126L	K206L	K208L	K258L
Section size at 90° [min mm]	60x60	80x10	80x10	80x10	80x10	200x10	200x10	200x10
Section size at 90° [max mm]	610x450	1015x450	1015x450	1100x510	1250x610	2000x610	2000x800	2540x815
Section size at 45° [max mm]	400x450	620x450	685x450	710x510	810x610	1320x600	1320x800	1320x815
Section size at 60° [max mm]	250x450	420x420	450x450	460x510	510x610	-	-	-
Motor power [kW]	9	9	9	15	15	18	18	18
Band saw blade speed [max mt/min]	150	170	170	170	170	170	170	170
Band saw blade size [mm]	41x1.3x6700	41x1.3x7880	41x1.3x7250	54x1.6x9920	67x1.6x10500	67x1.6x12100	67x1.6x12930	67x1.6x13930
Machine weight [kg]	3100	6000	5000	11500	12600	16500	17500	19000

SHOT BLASTING SYSTEMS



Systems G



SHOT BLASTING SYSTEMS SMARTLINE and SYSTEM G	Smartline	RB 1500G 4/11	RB 2000G 6/11	RB 2500G 6/11	RB 2500G 8/11	RB 3000G 6/15	RB 3000G 8/15
Machine entrance size [mm]	1500x800	1600x550	2150x150	2650x550	2650x550	3150x550	3150x550
Wheels [no.]	4	4	6	6	8	6	8
Installed driving capacity [max.kW]	11	11	15	18.5	15	18.5	15
Turbines diameter [mm]	380	380	380	380	380	380	380
Blades width [mm]	65	65	65	65	65	65	65
Plates width [mm]	1500	1500	2000	2500	2500	3000	3000
Beam size [max]	HEB1000	HEB1000	HEB1000	HEB1000	HEB1000	HEB1000	HEB1000

SHOT BLASTING SYSTEMS HD	RB 1500HD 4/18,5	RB 2500HD 8/18,5	RB 3000HD 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 [mm]	1500	2500	3000
Beam size [max]	HEB1000	HEB1000	HEB1000



Service is our Power



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 Service is 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 our 87 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.



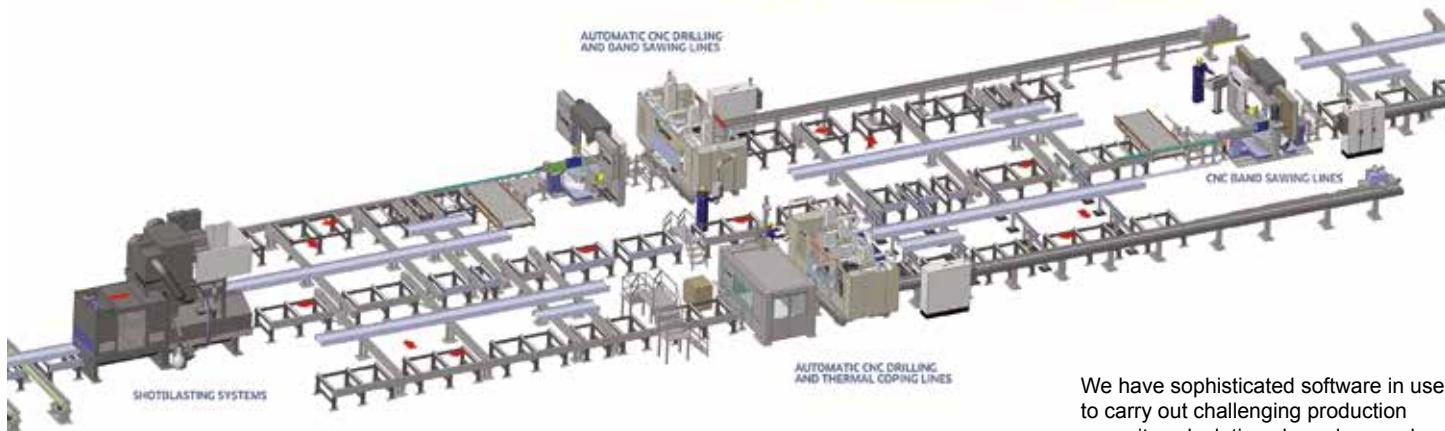
Management Software for Steel Fabrication Industry





FICEP

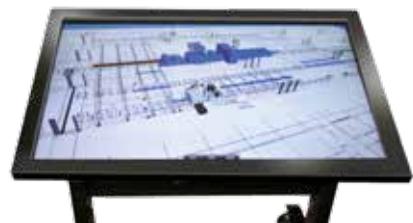
automatic systems layout for structural steel industry



We have sophisticated software in use to carry out challenging production capacity calculations based on each projects requirements and layout proposals. This way we can study the optimal solution for each type of customer.



Ficep is the world leading supplier of fully automatic systems for structural steel industry. With a dedicated department for Automatic systems in the headquarters, Italy, we have designed and installed many automatic lines in different sizes all over the world.



RANGE OF MACHINES AND SYSTEMS FOR THE STEEL CONSTRUCTION INDUSTRY



BEAM PROCESSING



EXCALIBUR-VICTORY
Mono spindle CNC
Horizontal Drilling Systems



ORIENT range
Mono spindle CNC
Profile Processing Center



VANGUARD range
Three spindle CNC
Profile Processing Lines



LIBERTY range
Three spindle CNC
Profile Processing Lines



PLATE PROCESSING



P range
CNC Punching, Drilling
and Marking Systems



TIPO D range
CNC Punching, Drilling,
and Cutting Lines



KRONOS range
CNC High definition
Plasma and Oxy Cutting
Systems



GEMINI range
CNC Drilling, Milling
and Thermal Cutting Systems



ANGLE and FLAT PROCESSING



A range
CNC Punching, Drilling,
Marking and Shearing Systems



SP range
Super Performance
CNC Punching and Shearing Lines



HP range
CNC Punching, Drilling, Notching
Marking and Shearing Systems



XP range
High performance CNC Punching and
Shearing Lines



VALIANT range
Three spindle CNC
Profile Processing Lines



ENTERPRISE range
CNC Gantry Drilling Lines



FLEX range
CNC Coping Systems



PLANETARIUM range
Automatic 9 axis CNC thermal
coping robot



KATANA range
Band Sawing Systems



TIPO G range
CNC Drilling, Milling and Thermal
Cutting Systems



TIPO B range
CNC Punching, Marking and
Thermal Cutting Systems



TIPO C range
CNC Punching, Drilling and Thermal
Cutting Systems



RAPID range
CNC Drilling,
Marking and Cutting Systems



SURFACE TREATMENT



Shot blasting System
Surface treatment systems



THE FLEET



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