



TECH SPECS

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

DRILLING & BAND SAWING - VANGUARD	453DDVB	603DDVB	1003DDVB	1103DDVB	1203DDVB
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
Max. band saw blade speed [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	604DDVFRC	1204DDVFRC
Oxy-fuel torch [no.]	1	1
Plasma torch [no.]	1	1
Machine weight [kg]	18500	19000

Please review FICEP's sales terms and conditions and machine tolerances as per specific documentation that can be supplied upon request. All the specifications on this catalogue are merely indicative and not binding for the manufacturer. The raw material mentioned on this catalogue are in accordance with the following standards: UNI EN 10025 for technical conditions; UNI ISO 5679 - UNI ISO 5680 - UNI 5397 - UNI 5398 - UNI EN 10024 - UNI EN 10034 - UNI EN 10279 - UNI EN 10056-1 - UNI EN 10056-2 for dimensional tolerances; UNI EN 1090 - UNI EN 9013 for pieces execution tolerances.



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VANGUARD

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

It is now the Vanguard's turn to join the FICEP line of drilling lines.

This new model drilling line incorporates the modular features of the previous models at an appealing price/performance ratio.

The Vanguard features the same welded steel structure as the other models of FICEP drilling lines. This guarantees maximum stability and rigidity for enhanced drilling performance.

The drill spindles feature a casting structure composed of leading edge material. This design guarantees efficient vibration dampening characteristics.

All models are available with diverse optional features such as underside scribing devices, chip conveyors (which require no special foundation), marking units and probing systems.

All spindle positioning in the vertical and horizontal axis is accomplished with rack and pinion drive systems at speeds of 12 m/min.

The DIRECT DRIVE spindles deliver 100% of the 17 kW motor's power to the ISO 40 tool holder and corresponding tool.



Pegaso is the latest generation CNC for FICEP lines where the PC, CNC and PLC are all integrated into a single circuit board for maximum reliability. Pegaso is based upon a field bus technology using CanBus and EtherCAT for controlling up to 32 separate CNC axes.



Underside web scribing device

RELIABILITY IN THE WORKSHOP

- The Vanguard drilling lines reflect FICEP's market leading years of experience engineering drilling lines for structural steel. The system is extremely productive yet it reflects a basic simplicity of design for enhanced reliability even in the most hostile environments.
- The design features the utilization of standard commercially available components such as Siemens drives. The CNC control is engineered by FICEP's Mitrol facility to reflect simplicity of hardware married with powerful software that has evolved over years of experience and understanding of the needs of the market.
- The patented CNC technology developed by FICEP offers unique solutions developed from a comprehensive understanding of the required processes. This powerful CNC control platform is used for the diverse FICEP product line for such operations as drilling, sawing, shearing, notching, marking and thermal cutting. The operator interface features a commonality for operator utilization between all the FICEP CNC lines.



Vanguard drilling line combined with FICEP band saw



Vertical hold downs



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