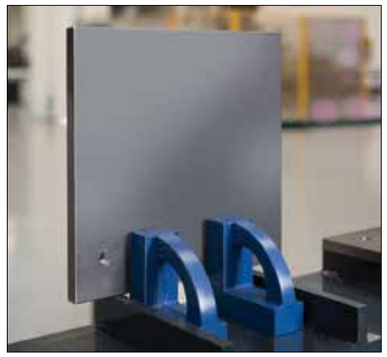
- The Excalibur only requires 50% of the floor space of a conventional beam drilling line.
- The drill system is cantilevered from the storage table so it is not touching the floor.
- Ball screw spindle feed with a 4,000 RPM spindle speed takes full advantage of carbide tooling technology for optimum performance.
- The unique sub axis of the spindle affords the maximum in productivity and accuracy while enabling scribing without exerting excessive forces on linear bearing as the system remains stationary. Only the spindle is positioned by the sub axis.
- Remote diagnosis is possible with comprehensive Ficep software through a network connection that allows our Forest Hill, Maryland service team to perform complete analysis.

These are only few of the great advantages that this system can offer!

Automatic tool changer with 6 positions



Device for the processing of plates

TECHNICAL CHARACTERISTICS

MODEL		1201 DE
Section depth	Inch max.	47-1/4”
	Inch min.	2”
Drilling spindles	Number	1
Spindle type		direct drive
Spindle power	HP	25
Spindle	RPM	180-4000
Drilling diameter	Inch max.	1-9/16” w T/C
Tool changer positions	Number	6 (automatic)

Please review FICEP's terms and conditions of sale and system specifications that are in our formal proposal. The manufacturer reserves the right to change specifications and features from those indicated in this brochure.
Current specifications and features are part of the formal quotation.

FICEP S.p.A. - HEADQUARTERS
via Matteotti, 21 • 21045 GAZZADA SCHIANNO VA - ITALY
Tel +39 0332 876111 • Fax +39 0332 462459
E-mail: ficep@ficep.it • www.ficepgroup.com

FICEP CORPORATION
2301 Industry Court - Forest Hill Industrial Park
Forest Hill, MD 21050
Tel +1 410 588-5800 • Fax +1 410 588-5900
E-mail: info@ficepcorp.com • www.ficepcorp.com

FICEP

EXCALIBUR

Automatic CNC single spindle drilling lines for sections

FICEP since 1930

MADE IN ITALY

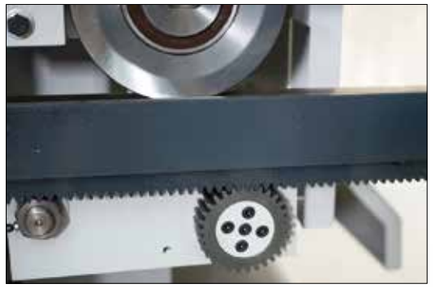
EXCALIBUR
Automatic CNC single spindle drilling lines for sections

This CNC system is a unique classic!

FICEP has pioneered the engineering of the movable single spindle drilling line for more than thirty years. This movable spindle concept with the continuous design evolution by Ficep has been the benchmark for other firms to try to catch up with this constantly evolving technology.

Thanks to its unique features, the Excalibur is an exceptionally productive and versatile solution for small to large firms.

The powerful direct drive spindle, which operates at up to 4,000 RPM, generates unbelievable drilling performance. The total horsepower of the motor is delivered to the tool as there is no power loss by going through a transmission. Its simplicity, heavy duty design and the advanced technologies make it extremely reliable and productive.

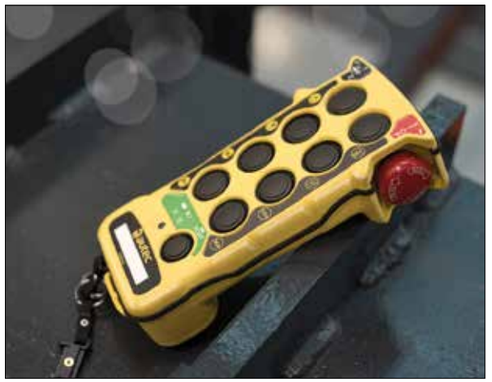


The drill system is positioned along the loading table by means of a rack and pinion positioning system for maximum performance and accuracy. Once in position it is clamped to the table assembly from above and below the table surface for maximum stability during drilling.

Pegaso is the new generation CNC controls for Ficep machines. The PC, CNC and PLC are all integrated on a single board, to achieve the maximum reliability. Pegaso is based on field bus technology: CanBus and EtherCAT, with up to 32 axes under CNC control.

The sub axis facilitates both milling and scribing operations, as well as the ability to drill a group of holes in the X and Y axis without having to move the main drill system.

Non contact laser probing is employed to establish the end of the section and the web position.
Holes are accurately positioned by compensating for the sections lineal position on the table and mill tolerance deviations.



A remote control is furnished to allow the operator to monitor the machine functions while actively engaged in the loading and unloading of sections on the drill table.
This approach permits drilling and material handling functions to occur simultaneously.

SAFETY

FICEP takes care of the ergonomic and safety details during the design activities. The machines comply with the CE regulations.