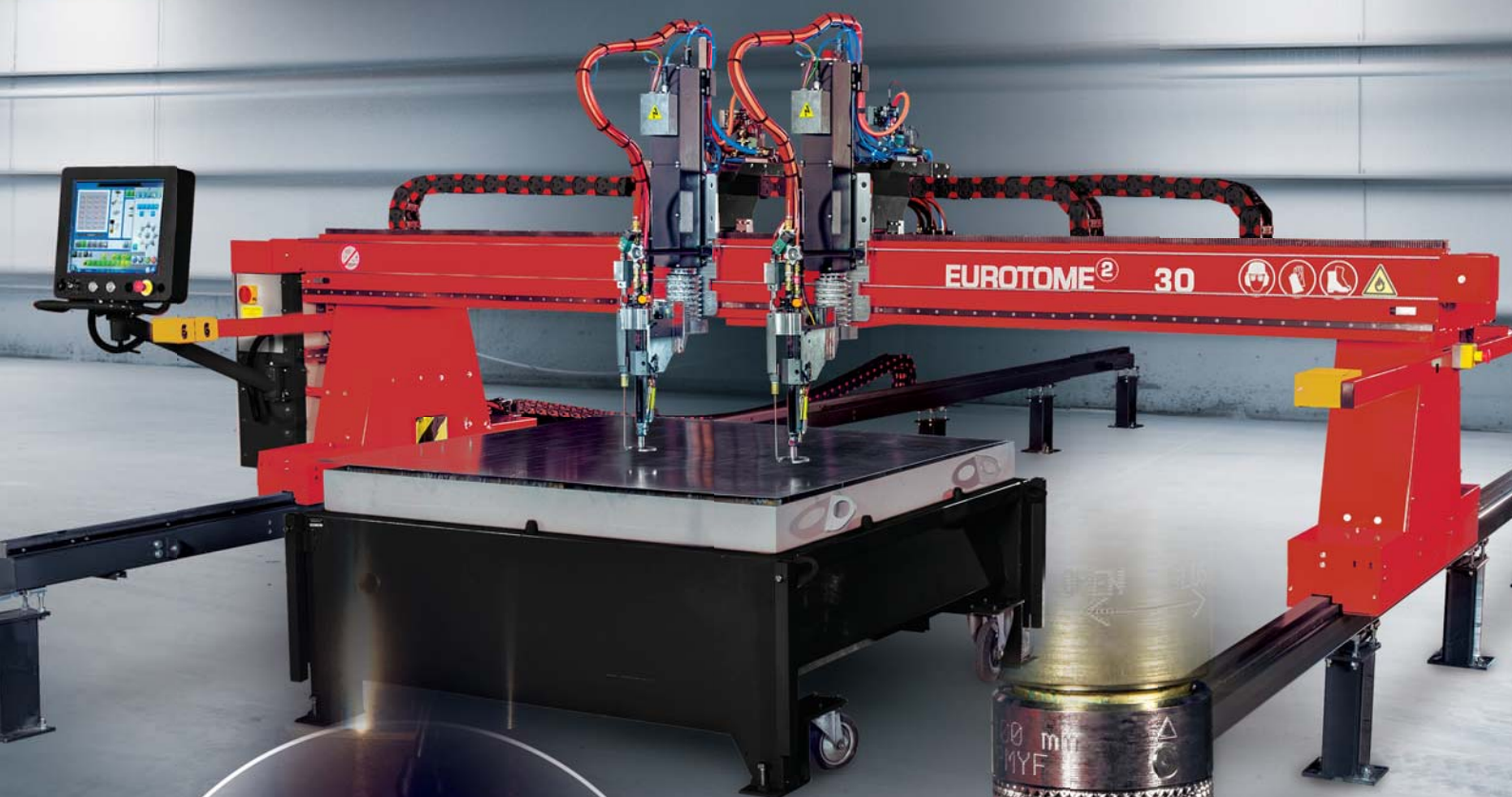


EUROTOME²

User-friendly, multipurpose,
high-performance and cost-effective
thermal cutting machine



EUROTOME[®] ②

Lincoln Electric constantly aims at providing its clients with the best thermal cutting machines for flame and/or plasma cutting procedures. It detected its clients focused on the following factors: a sturdy, flexible and cost-effective machine that is quick and easy to implement, with excellent cutting quality, safe and with low running costs. Lincoln Electric therefore developed a new EUROTOME[®] machine to complete its range of cutting machines.

Fitted with a 19" touch screen (HPC digital process 2), EUROTOME[®] can be used for any business, from the smallest thickness value (0,5 mm) to bigger ones, thanks to flame and/or plasma cutting processes.

Designed around the concept of versatility, EUROTOME[®] can therefore be fitted with various tools: 1 to 4 oxy-torches, 1 or 2 plasma systems, a marking tools and a VXK chamfering tool.

With the various formats of the beam in terms of width [sizes 15, 20, 25, 30 & 35] and length of the railways [original rail with an available length of 3 m – it can be extended with modules by 3 m or 1.5 m] EUROTOME[®] can adapt to a wide variety of sheet metal formats: 1500 x 3000 mm, 2000 x 6000 mm...

HPC DIGITAL PROCESS 2

This is the evolution of the renowned HPC, which is acclaimed throughout the thermal cutting market. It manages the whole of the cutting machine: from the trajectory to the process.

Thanks to its new design, as well as its large 19" touch-screen display, the HMI is a user-friendly tool.



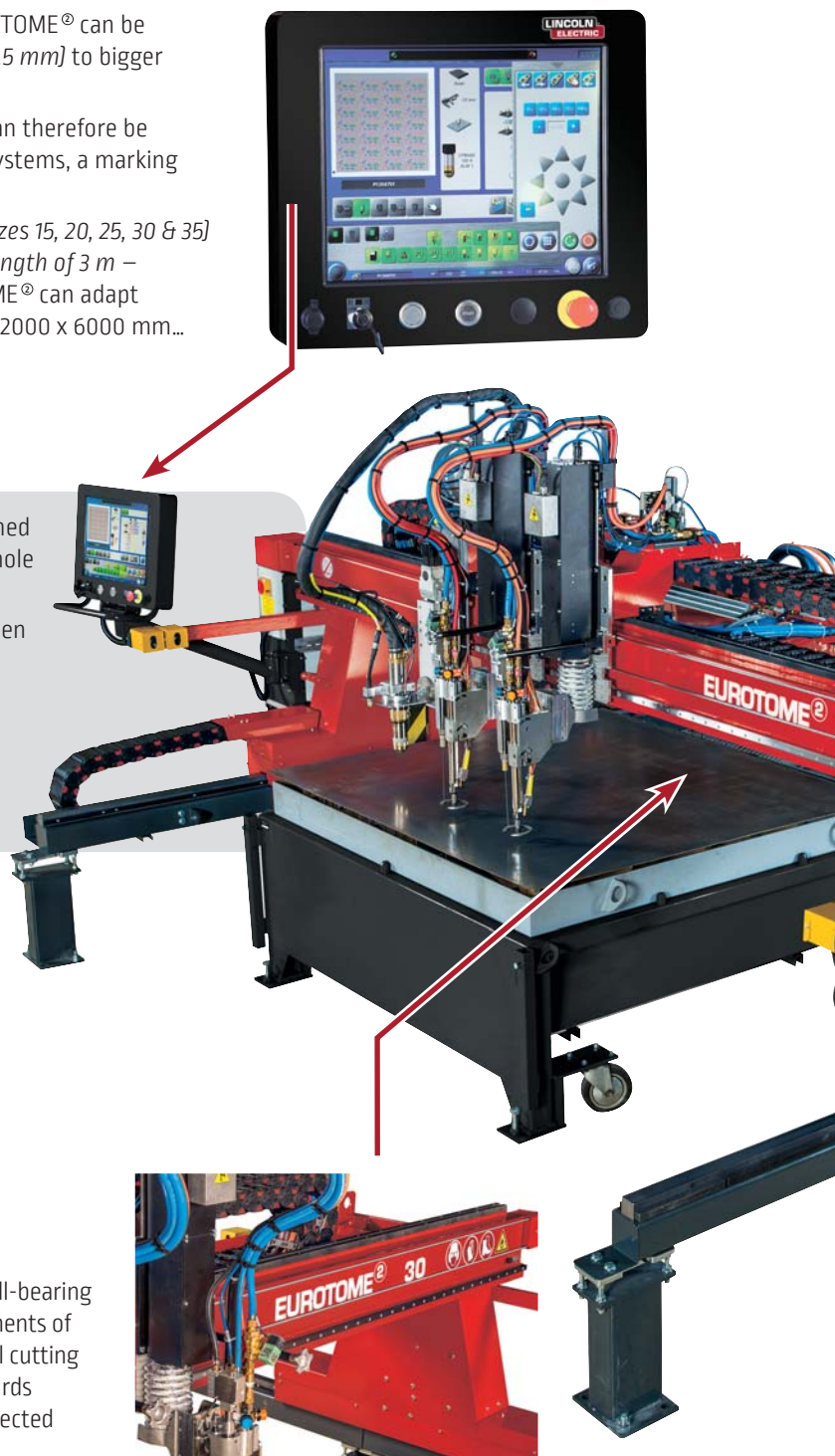
Material & communication

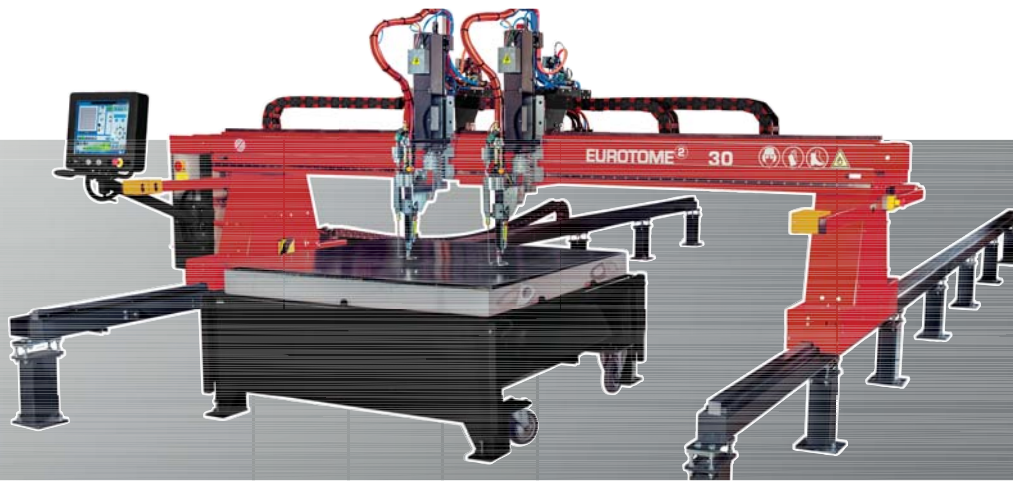


- ETHERCAT bus management,
- Industrial PC,
- SSD hard disk,
- Real-time system.

Transverse guiding

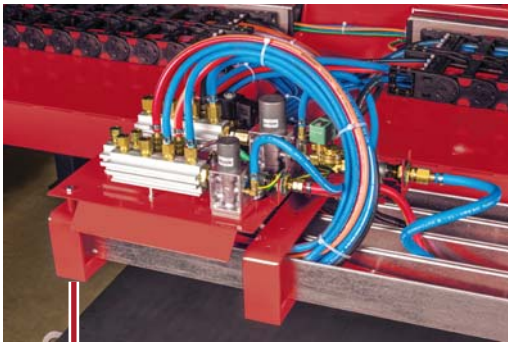
The beam is fitted with a double ball-bearing railway allowing for smooth movements of the machines and therefore optimal cutting quality. The racks are facing backwards to limit buffing associated with projected materials and cutting dust.





Oxy Essential

Automatic gas adjustment system for flame cutting. It is used to control up to 4 oxy-torches from the numerical control panel according to the desired thickness you need to cut.



Drive units of the machines

Brushless geared motors with low backlash and maintenance-free, fitted with 750 W motors and 30-teeth pinions with a quick replacement system.

The assembly is controlled with a new-generation ETHERCAT communication variator and ensures smooth movement for the machine, which allows you to reach high cutting quality levels.

With absolute encoder technology, the machine is ready to produce as soon as it is turned on, and production restart in the event of incidents or power failures are simplified.



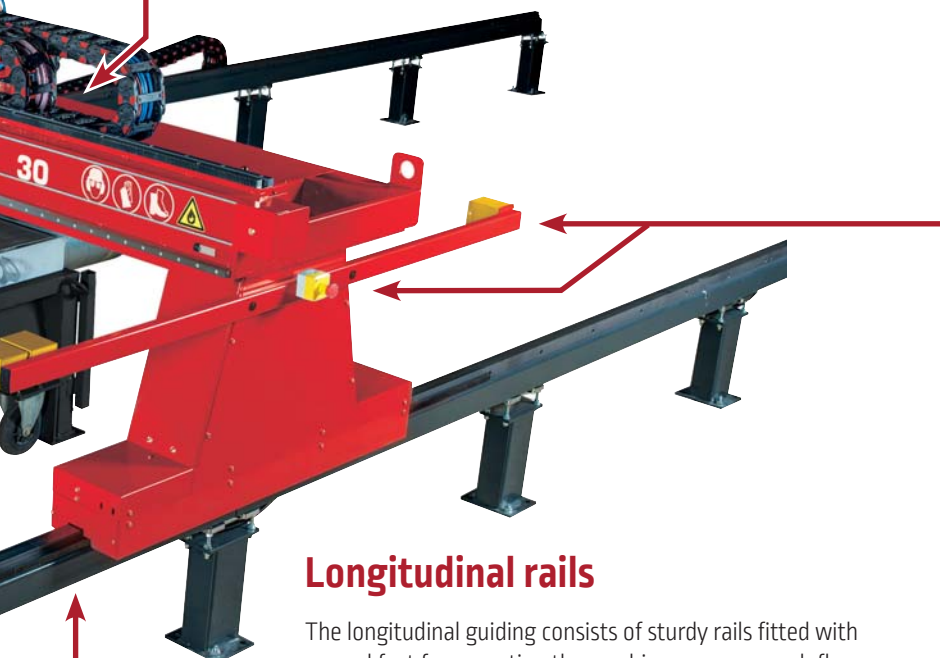
Safety & compliance

Safety devices (*light barriers and emergency stop buttons*) ensuring optimal protection for the operator.

The machine complies with the new machinery directive EN ISO 17916:2016.

Plus, it is interconnected to the environment around it: process and treatment of cutting smoke.

The intervention mode allows for easy access to cutting tools.



Longitudinal rails

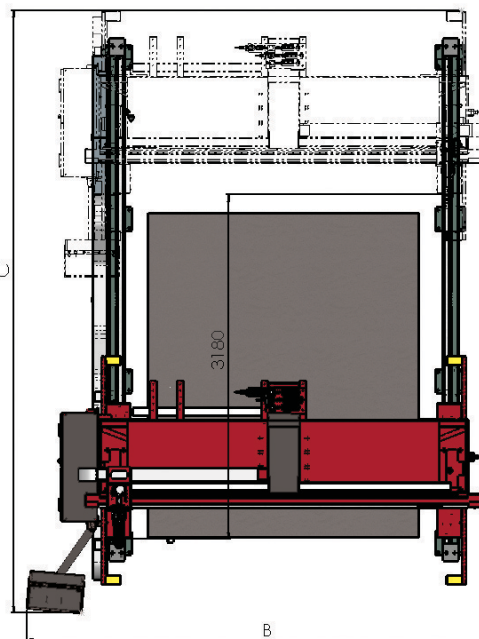
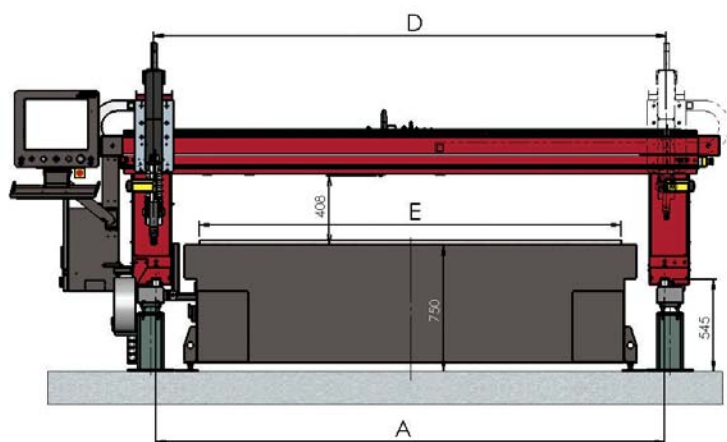
The longitudinal guiding consists of sturdy rails fitted with several feet for mounting the machine even on rough floors. The drive and guiding systems consist of drawing rails and racks facing outwards.

The mid-height position of the cable chain trays allows you to easily clean the ground.

Permanent brushing system of the rails to retain an optimal drive of the machine, even under heavy-duty conditions.



Dimensions and characteristics



Dimensions on a standard railway [Length 4500 mm].
Additional roller railway with 3 m or 1.5 m elements.

A : Rail centre distance.

B : Overall width.

C : Overall length.

D : Stroke of the 1st tool-holder without an additional tool.

E : Sheet metal size.

Machine	A	B	C	D*	E
T15	2 015 mm	3 300 mm	3 600 mm	2 040 mm	1 500 mm
T20	2 515 mm	3 800 mm	4 100 mm	2 540 mm	2 000 mm
T25	3 015 mm	4 300 mm	4 600 mm	3 040 mm	2 500 mm
T30	3 515 mm	4 800 mm	5 100 mm	3 540 mm	3 000 mm
T35	4 015 mm	5 300 mm	5 600 mm	4 040 mm	3 500 mm

* : For the 1st additional tool-holder, remove 185 mm.

For the second additional T.H. remove 185 mm [this also applies for the 3rd and 4th one].

Main technical characteristics

CN	HPC DIGITAL PROCESS 2.
Control panel	Compact and swivel 19" touch control panel.
Beam sizes	Size 1500, 2000, 2500, 3000 and 3500 mm.
Available longitudinal stroke	3 000 available as standard with possibility of extending it up to 15 m [extension by 3 m and 1.5 m].
Speed	15 m / min [in accordance with the regulation limits of the machinery directive].
Drive units	<ul style="list-style-type: none"> ■ 750W Bruhless EtherCAT. ■ Absolute encoders. ■ Low backlash and maintenance-free geared motors
Machine origin	Machin origin system included as standard.
Transverse guiding	Machined beam with built-in racks and a double ball-bearing railway.
Longitudinal rails	Machined beams with built-in racks, calibrated drawing elements and a permanent brushing system for the rails. They are fitted with several feet, which means they can be aligned even on rough floors.
Site height	700 to 800 mm.
Machine protections	<ul style="list-style-type: none"> ■ Protective light beam at the front and at the back of the machine. ■ Compliant with machine directive 2006/42/EC.

EUROTOME^{®2} Processes and features

FLEXCUT or NERTAJET HPI

EUROTOME^{®2} can be equipped with the versatile and cost-effective FLEXCUT 125 or 200 systems or NERTAJET HPI150 or 300 fully automated high accuracy systems.

These installations offer the ability for marking and cutting by automatic management of HPC 2.



Cost effective air cutting or marking.

FLEXCUT 125 CE / LC125

- 125 A @ 100%, 175 V
- Production piercing plate up to 30 mm with retract cycle
- 45 mm sheet metal edge

Cost effective cutting and marking Air/Air or quality with O₂/Air, O₂/O₂ or Air/N₂

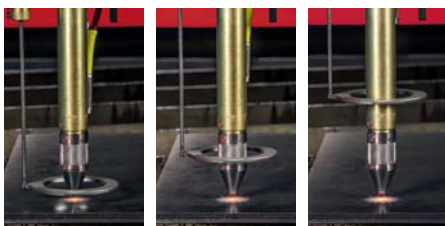
FLEXCUT 200

- 200 A @ 100%
- 32 mm production piercing plate
- 50 mm sheet metal edge



Main options

Oxy safe piercing : retractable height control sensor system allows piercing up to 150 mm



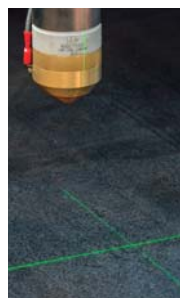
Markers:

- Micro vibration
- Pneumatic
- Felt.

Pipe cutting



Positioning laser



VXK chamfering



Vortex air cooler



High quality multi-gas cutting and marking.

NERTAJET HPI 150

- 150 A @ 100%
- 25 mm production piercing plate
- 40 mm sheet metal edge

NERTAJET HPI 300

- 300 A @ 100%
- 40 mm production piercing plate
- 70 mm sheet metal edge

The oxy-torches

OXYCUT MACH OXY

- Cutting capacity: 6 to 200 mm
- Cutting quality
- Sturdy
- User-friendly
- Full metal sheet piercing plate: 100 mm



OXYCUT MACH HP et MACH HPI

- Cutting capacity: 6 to 200* mm
- Productivity
- Cutting quality
- Assembly without tools of consumables: quick & simple
- Longevity
- Full metal sheet piercing plate: 150* mm



* MACH HPI offers integrated ignition and visualization of cutting pressure for ease of use and long life.

BEING PRESENT LOCALLY MAKES US MORE AWARE GLOBALLY

120+
YEARS OF EXPERIENCE

325+
GLOBAL R&D TEAM



3.0
BILLION USD REVENUE

36
SOLUTION CENTERS

11 000
EMPLOYEES WORLDWIDE

-  Global Headquarters
-  Solution Centers

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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