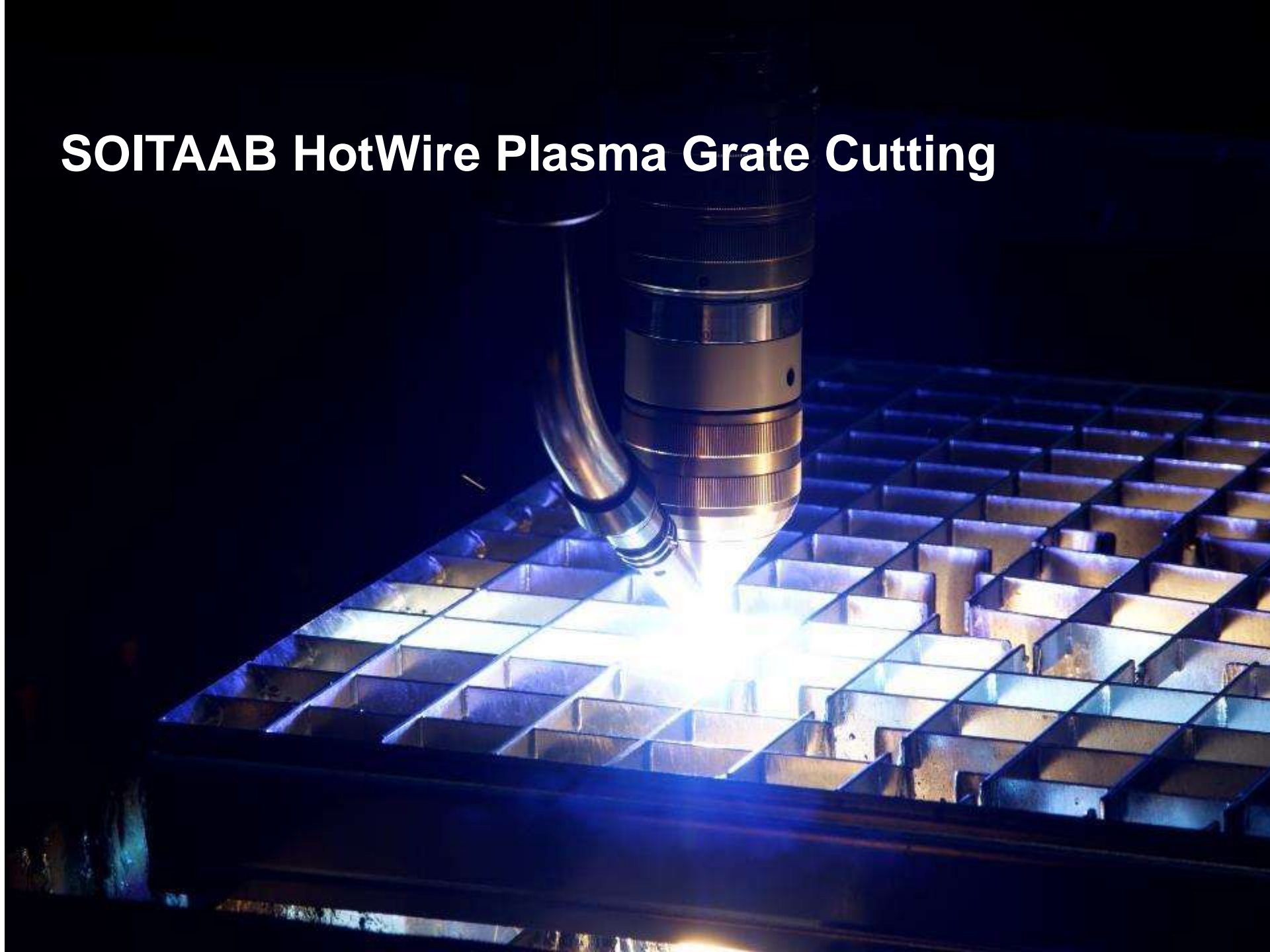


SOITAAB HotWire Plasma Grate Cutting



Soitaab's Plasma Grate Cutting System

Cuts interrupted surfaces like steel or aluminum grating at high speeds, both efficiently and with high quality results.

- *5-10 times faster than oxy-fuel cutting*
- *No expensive rotating head*
- *No Pre-heating*
- *No loss of Plasma Arc*
- *No starts and stops on each bar to damage consumables*
- *Continuous cutting at high speeds*
- *Plasma Table Size - 1m up to 4m wide*
- *Up to 80mm grate depth and variable bar widths are no problem!*





LINEA PRO

The Lineatech Pro with the Plasma Hotwire Grate Cutting System does not require a rotation axis.

Offers faster cut speeds with less wire used during cutting.

Versatility to cut Carbon Steel, Stainless Steel, or Aluminum on one machine.

SOITAAB GROUP

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LINEAPRO



www.soitaabusa.com

LINEA PRO

2 ½" Grate Cross Bars



LINEAPRO



PLASMA NOVA

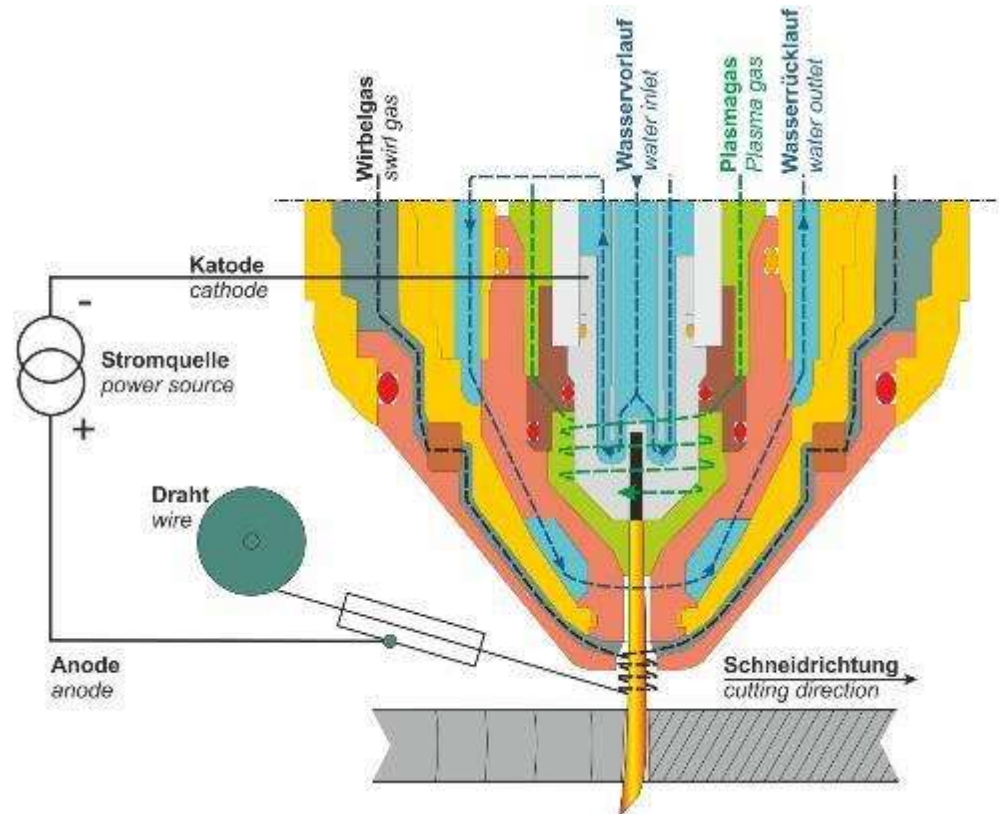
The Plasma NOVA with the Plasma Hotwire Grate Cutting System. Complete with Bevel cutting, pin stamp marking, and the TuboCut pipe cutting attachment.



HotWire Plasma Cutting

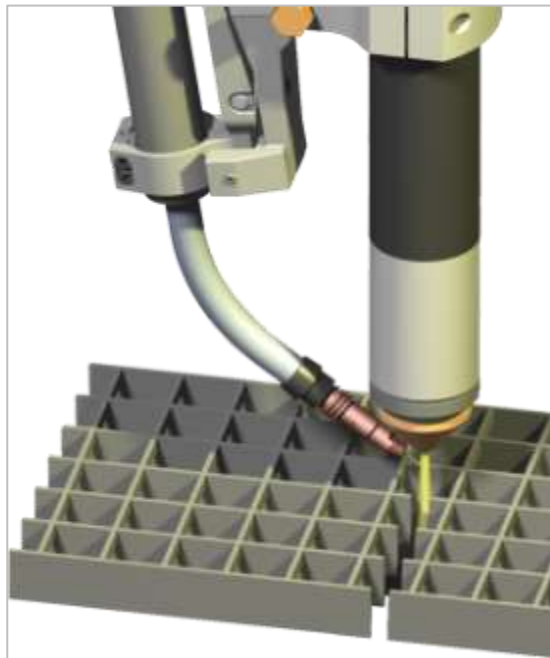
The Patented application for cutting of conductive, non-conductive, combined and interrupted work-pieces.

- Based on indirect plasma cutting process, where work-piece is not part of the electric circuit.
- A welding wire is used as the anode and is continuously fed during cutting process; no work-piece connection is necessary.
- Parts are cut accurately and cleanly as they sit under the plasma torch !



HotWire Plasma Cutting

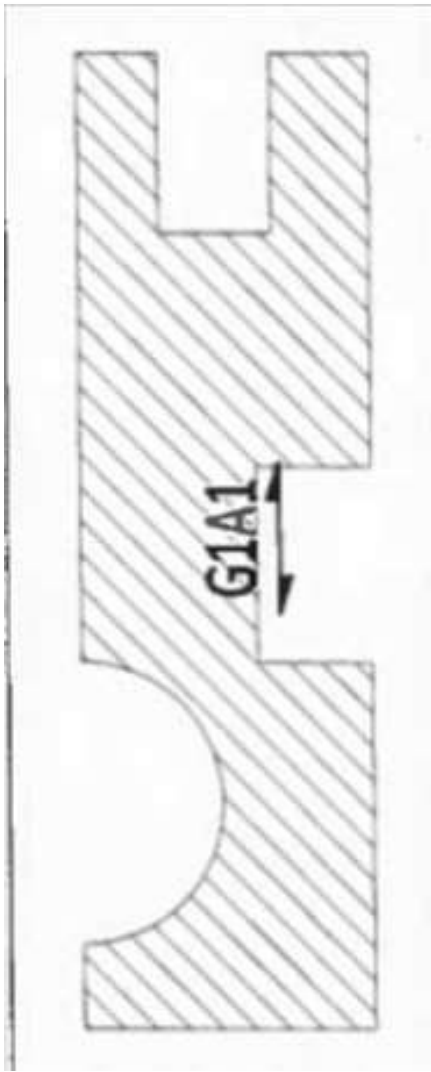
- Suitable power sources:
360 Amp Plasma
- The standard applications for plasma cutting remain the same in addition to HotWire plasma cutting. By removing the wire feeder standard flat plate cutting is possible
- Retooling is easy and quick



HotWire - Advantages

- Insensitive to fluctuations of distance between plasma torch and work-piece
 - Torch has capacitive height sensing
 - No ground connection required
- Low wear of consumables due to low rate of re-ignition of the torch
- Almost no vibrations during the cutting process
- No break-off of plasma arc at low cutting speed
- Great cut quality similar to direct plasma cutting



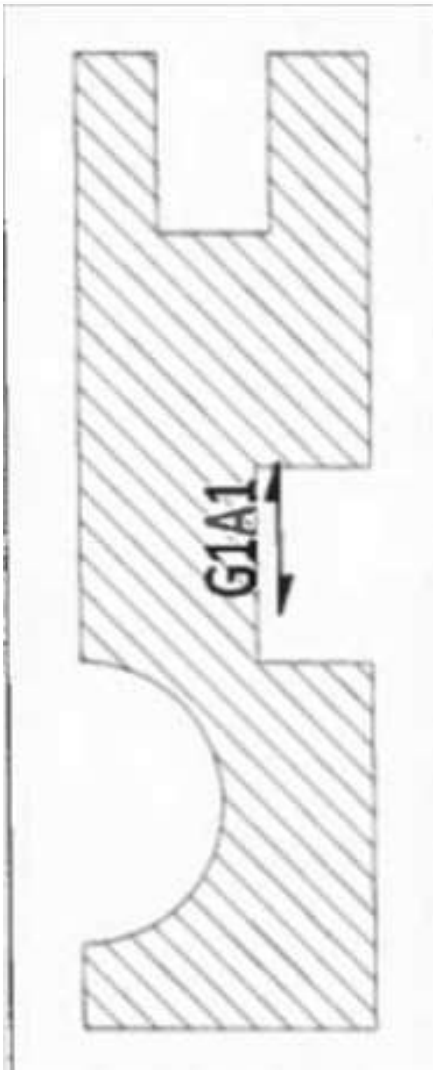


Example 1: The OLD TECHNOLOGY Oxyfuel Grate Cutting

Speed: 17 in/min

Rapid Position Moves: Variable speed with length

Total Cut time: 6 Minutes 12 Seconds



The NEW TECHNOLOGY Plasma Hot Wire

Speed: 82 in/min

Amperage 360

Total Cut time: 1 Minute 57 Seconds

The Plasma Hotwire Advantage !!

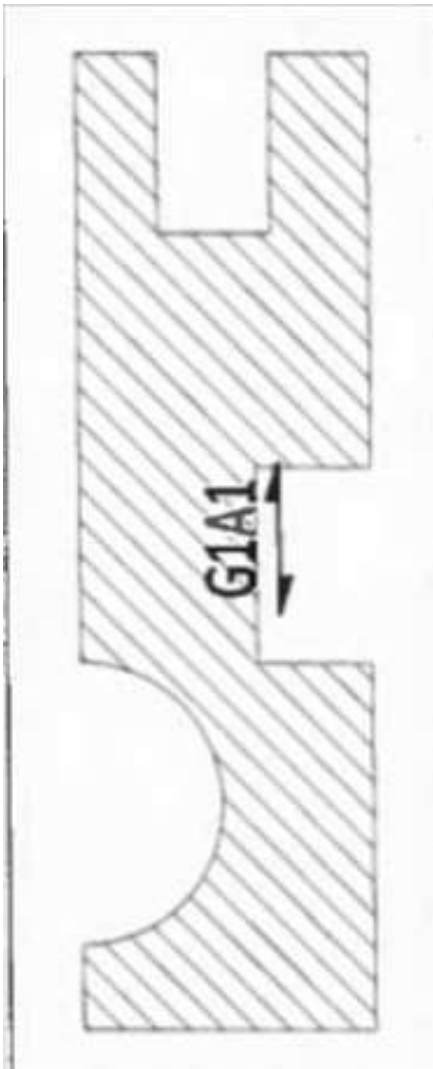
Plasma Hotwire Cut

Plasma Cost \$/hr.:	\$10/hr
Typical Labor Rate:	\$25/hr
Total Plasma \$/hr	\$35/hr.
Part Cut Time:	1 min 57 sec
Total Plasma Cut Cost	\$1.14

Oxyfuel Grate cut

Oxyfuel Cost \$/hr.:	\$8/hr
Typical Labor Rate:	\$25/hr
Total Oxyfuel \$/hr	\$33/hr.
Part Cut Time:	6 min 12 sec
Total Oxyfuel Cost	\$3.41

Total Cut Time Savings:	4 min. 15sec.
Total Cut Cost Savings	\$2.27



Example 2: The OLD TECHNOLOGY Hand Held Plasma Torch Cutting Round Discs

- Lay grate on floor
- Put round template over grate positioning to cross bars
- Cut-out using hand torch
- Clean-up edges

Total Cut time: 2 hours 35 min





The Plasma Hotwire Advantage !!

- High Speed Plasma Cutting at 56" /min
- Excellent Edge Quality
- Little to No Clean-up
- Total Cut time: 2 min. 3 sec



The Plasma Hotwire Advantage !!

Plasma Hotwire Cut

Plasma Cost \$/hr.:	\$10/hr
Typical Labor Rate:	\$25/hr
Total Plasma \$/hr	\$35/hr.
Part Cut Time:	2 min 03 sec
<u>Total Plasma Cut Cost</u>	\$1.19

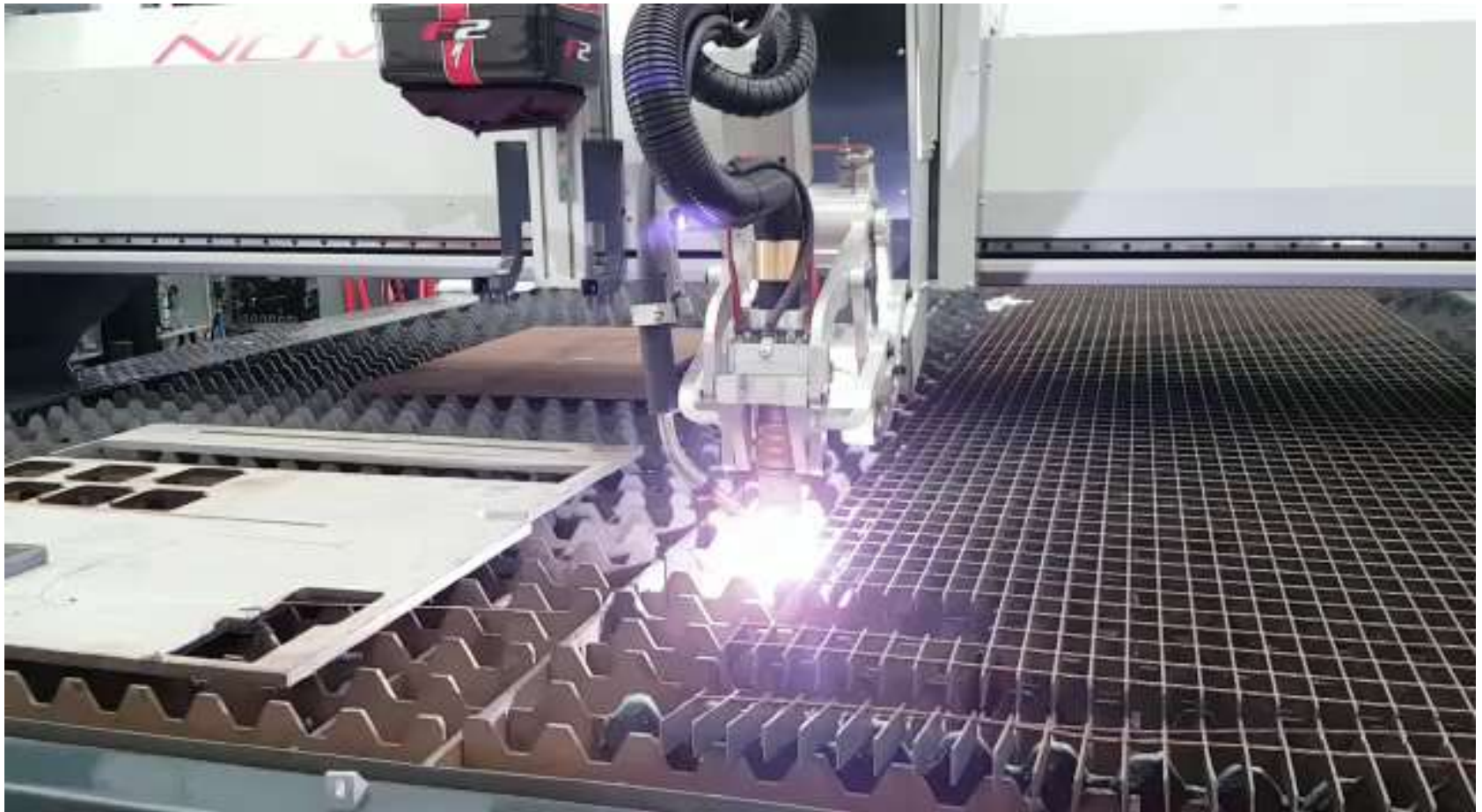
Hand Held Plasma Torch

Plasma Cost \$/hr.:	\$12/hr
Typical Labor Rate:	\$25/hr
Total Hand Held Plasma \$/hr	\$37/hr.
Part Cut Time:	2 hrs 35 min
<u>Total Hand held Plasma Cost</u>	\$95.58

Total Cut Time Savings: 2 hrs. 32min.

Total Cut Cost Savings: \$94.39

[The Soitaab Plasma Hotwire Grate Cutting – *click here*](#)



The Soitaab Plasma Grate Cutting System

[Click here](#)



The Soitaab Plasma Grate Cutting System

Cutting Round Discs –
[click here](#)

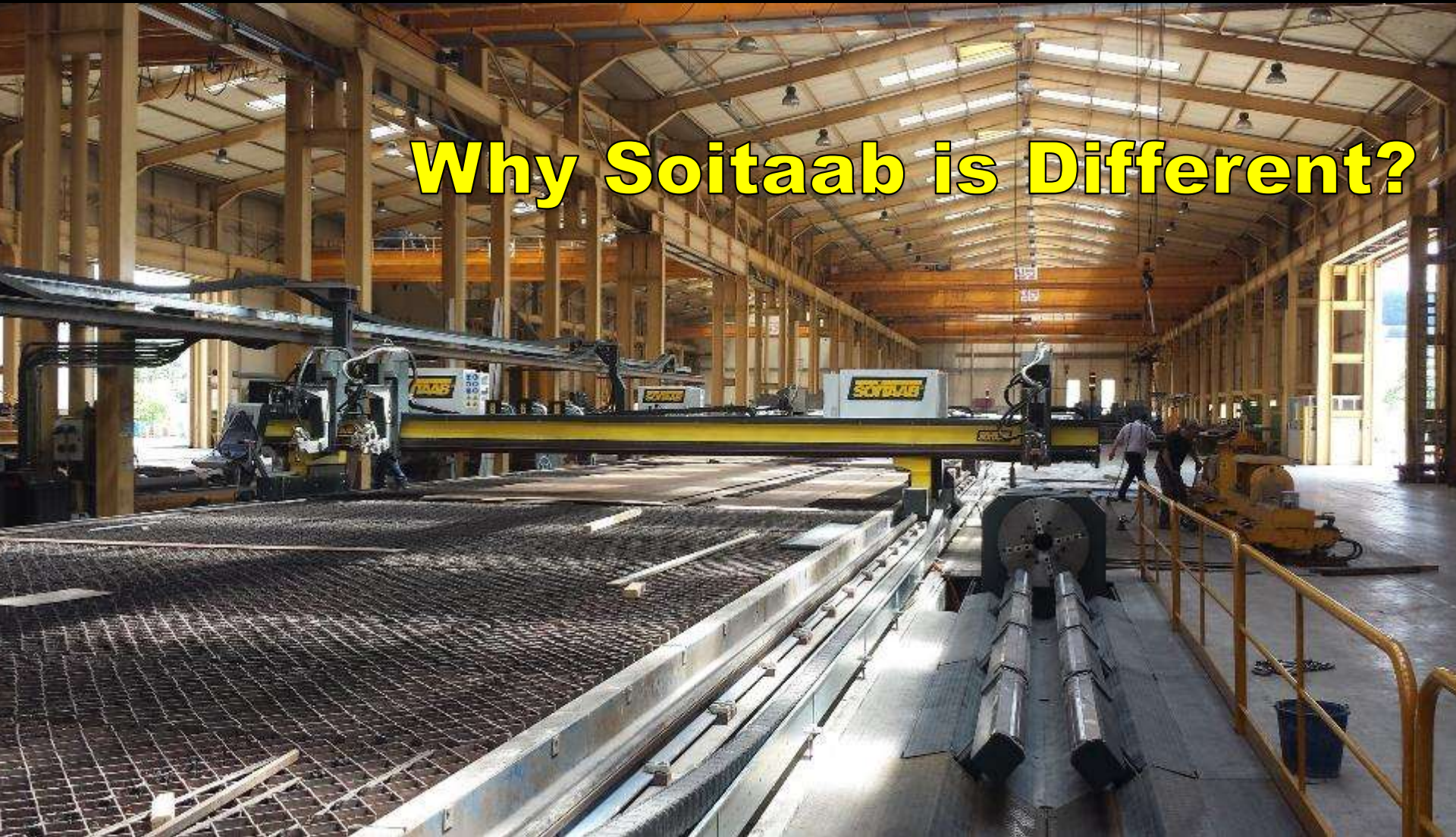


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Why Soitaab is Different?



www.soitaabusa.com

Soitaab owns one of the largest Steel Service Center in Italy. Riva Steel produces parts for our needs and sells parts to European Manufacturers.



www.SoitaabUSA.com

Soitaab's Rival Division is a complete machining and fabrication factory. They manufacture the massive frames for Soitaab Machines and the FRIGGI Band Saws. They also do machining work for other companies.





Soitaab has some of the largest machine tools made allowing them to machine enormous surfaces in a single set-up and pass.



www.SoitaabUSA.com

Soitaab's Gold Medal Service and Support



- The components are from major manufacturers with a worldwide presence and available from anywhere.
- SOITAAB delivers a BOM with Soitaab and OEM part numbers. This ensures, easy availability of spare parts and guarantees a competitive price level.
- On-line diagnostics and tech support, to diagnose problems, even running the machine remotely.
- Phone support with knowledgeable installation and technical support staff
- Best in class training programs both remote and on-site customized to customer requirements
- The Highest machine reliability in the industry, CE Certified.



World Class technology coupled with Gold Medal Service and Support and a customer first philosophy sets Soitaab apart from the competition!

From the simplest cutting table to the most complex one of a kind systems only Soitaab delivers the best solutions, affordably priced, and backed by the best training, service and parts inventory.

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*Welcome to
Soitaab !*

Thank You



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