

Our capabilities



Etching available.

High performance laser, dedicated to tubes and profiles

Dimensions (mm)		
Tubes		
round	12	up to 610
square	12 x 12	up to 400 x 400
rectangular	12 x 12	up to 500 x 300
oval flat	12 x 12	up to 500 x 300
Cold formed profile		
U and L		on demand
Max kg/m	290	
Max kg/piece	4000	
Length (mm)		
Longueur à travailler	3200 - 14050	
Finished part	up to 14010	
3D		
	yes up to 45°	
Thickness		
steel	20 to 24 mm in 2D 12,5 to 14 mm in 3D (up to 45°)	
Stainless steel	14 to 15 mm in 2D	
alu	8 mm in 3D	
		on demand
Welding detection		
	yes	
Précision (standard)		
	length ± 0,5 à ± 1 mm (depending on length)	Tighter on demand
	perforation ± 0,2 à ± 1 mm (depending on length)	± 0,2 mm on demand
	centering ± 0,7 mm	± 0,5 mm on demand
Holes		
	minimum 0,7 x thickness	

Why work with SAEY?



Reducing your manufacturing lead time is essential.

As a stockist with a large range, providing as well finishing, we can support you.

Our "one-stop-shop" principle enables you to reduce at a minimum your number of suppliers. Purchasing and administration are simplified.

The part you ordered shall be delivered **free of carriage**, within the agreed lead time. Its packaging and identification make your internal carriage and logistics easier.

Nowadays, machine overloading or shortages of personnel issues are definitely over.

If you are willing to give priority to investment in assembling or in finishing, we can support your preliminary finishing, very often expensive and time consuming.

In partnership with SAEY, as a provider of **tube solutions**, you keep one step ahead...

SAEY N.V.

INDUSTRIELAAN 4, B-8501 KORTRIJK-HEULE, BELGIUM

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Route description: www.SaeySteel.com/fr/contact

VAT BE 448 146 433

Offices and warehouse

NOORDLAAN 25, B-8520 KUURNE

Commercial steels - Girders

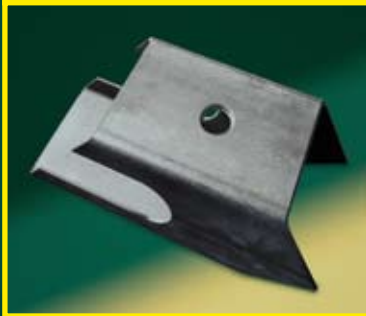
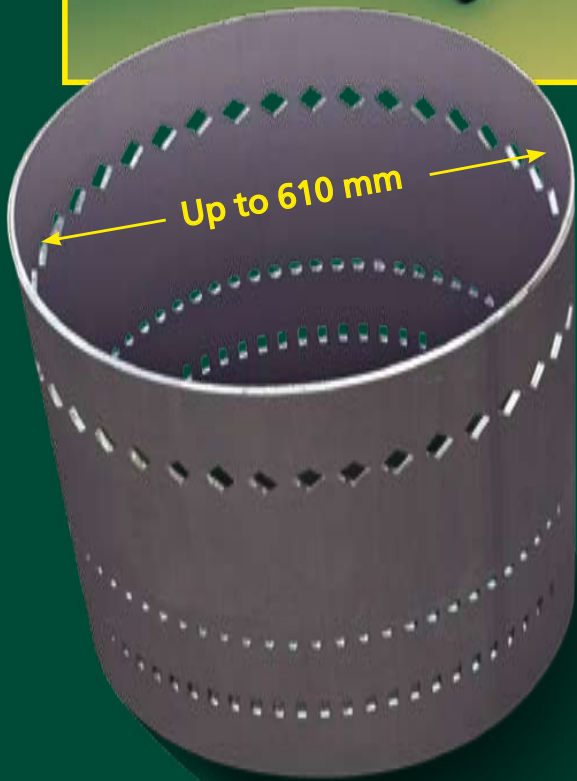
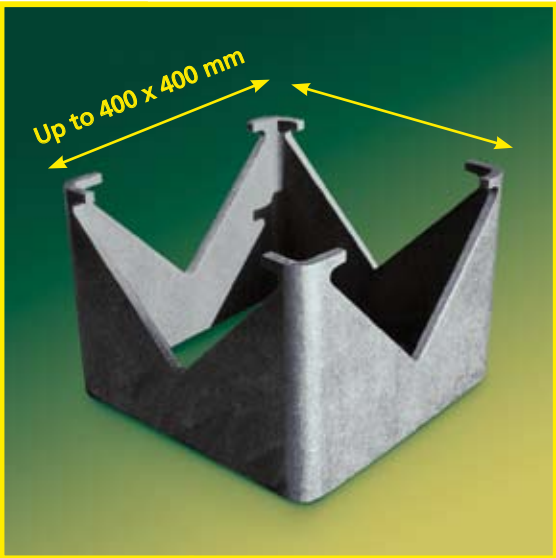
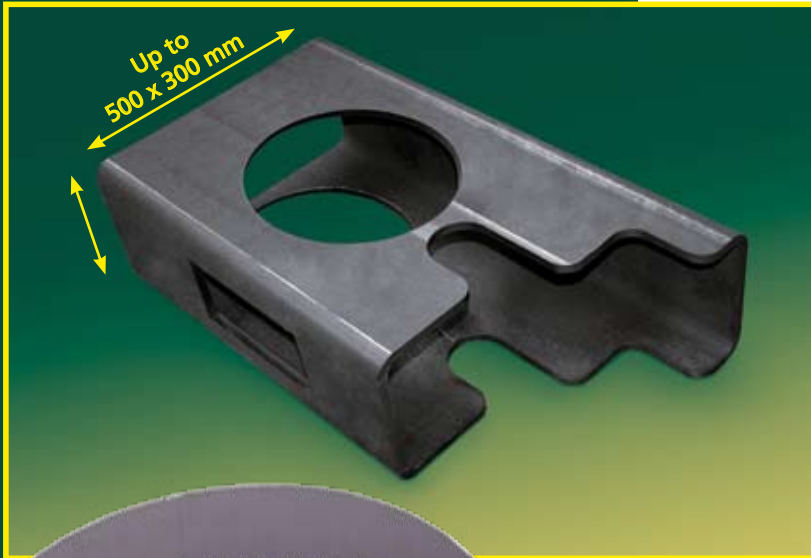
Sheets - Tubes

Warehouse

FRENCH SUBSIDIARY: Sarl SAEY • 8, RUE DU MARÉCHAL DE LATTRE DE TASSIGNY • 59800 LILLE

for easy queries, prefer telephone, le fax or e-mail • Tel (03) 20 42 05 61 • Fax (03) 20 42 05 62

N° Siret 390 945 889 00017



**EXCEPTIONAL
CAPABILITIES**

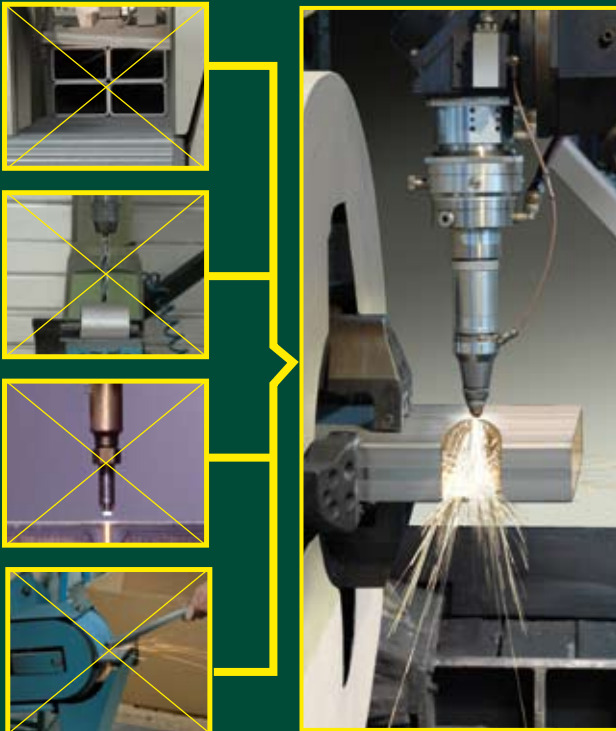
SAEY
TUBE LASER CENTER



**TUBE LASER CUTTING
2D / 3D**

ALWAYS ONE STEP AHEAD...

Benefits of tube laser cutting



1. YOUR PARTS ARE MANUFACTURED FASTER AND ARE LESS EXPENSIVE

FASTER:

We centralise various operations on 1 machine:

- sawing
- drilling, milling, punching
- oxycutting
- deburring

You need no longer spend your time on various tasks, such as: procure steel, plan works, prepare machines, internal transport, ...

A detailed drawing is all we require to establish a quotation, raw material included.

We will take care of longer and/or heavier tubes handling.

LESS EXPENSIVE:

When working with SAEY for the laser cutting of your tubes, your costs in purchasing, maintenance and fitting of machines and their tooling (e.g.: punching and dies) are controlled.

SAEY = COST SAVING AND TIME SAVING

2. YOUR PARTS ARE ASSEMBLED AND WELDED FASTER AND ARE LESS EXPENSIVE

With close tolerances (refer to capabilities), we enhance again our possibilities.

This enables some benefits for you:

- faster assembling thanks to consistent dimensions
- faster welding thanks to consistent welding joints and to a proper fitting of tubes
- perfect robot welding
- identification thanks to laser engraving

SAEY = CLOSE TOLERANCES

3. YOUR PARTS CAN BE ADAPTED FASTER AND AT LOWER COST

Your customer needs a prototype. It is evident that a limited quantity of parts are required at lowest possible cost.

When working with SAEY, you will save the high costs of modifying machines, tooling and jigs.

Our skilled team relieves you from programming and is always available to study the feasibility of new parts.

SAEY = FLEXIBILITY

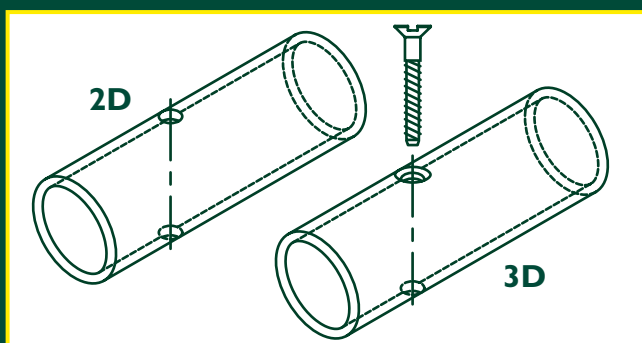
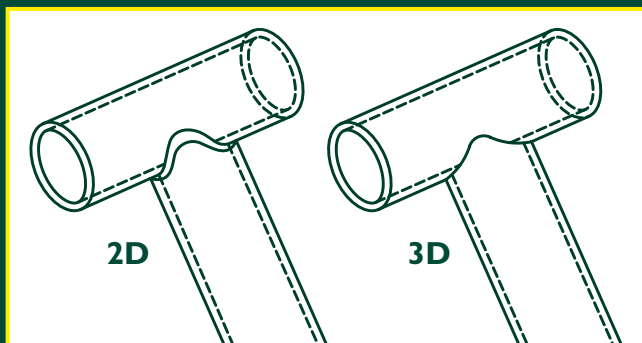
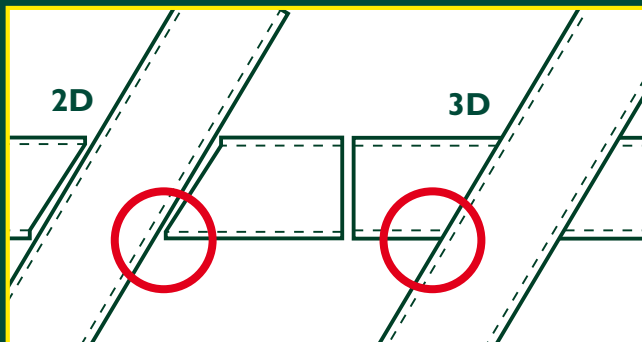
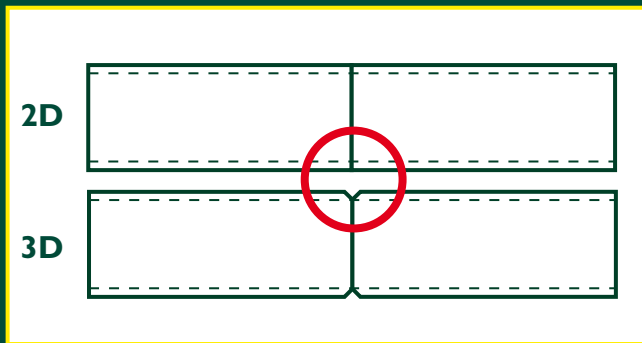
4. THE DEVELOPMENT OF NEW ASSEMBLING IS WITHIN UNDERSTANDING

Example: - seamless and feather or hole and pin assembling
- modal junctions

SAEY = CREATIVITY

2D against 3D

**AUTOMATED TUBE LASERS
ARE ALL EQUIPED FOR
3D CUTTING**



3D AGAINST 2D = ANGLED CUTWALL

Using a 2D laser, an angle cut can be made, however the tube wall thickness shall always remain a right angel cut.

Using a 3D laser, the tube wall thickness is also angled cut as per the angle you require.

BENEFITS OF LASER 3D CUTTING

The benefits of 3D are linked to welding issues.

For whatever welding practices, it is important that joints are precise and uniform and that they provide a perfect contact surface. Thanks to this, it is possible to achieve an even welding, possibly automated, whose main benefit is it can be preformed faster. The result is a neat finishing that prevents issues related to filler metal.

EXAMPLE 1:

2 tube ends are BUTT WELDED (ex.: lines)

Thanks to the angled cut, it is possible to perform a deep and plain welding, without any large incursion into the base material. Thanks to penetration, the weldment is more strength, even if it requires a deburring.

EXAMPLE 2:

2 tubes that Intersect at an angle other than 90°

With a 2D laser, there is only a single supporting point on each of the wall thickness faces.

With a 3D laser, the complete tube thickness is in contact with the wall thickness. This provides a smooth, precise junction without any play.

EXAMPLE 3:

Assembling of ROUND tubes in T

With a 2D laser, the weld is irregular and thick, while with a 3D laser, welding is commonly even and thin.

EXAMPLE 4:

Make a BEVEL to accommodate a nut or a screw

In 3D, we provide a bevel in a single operation, which is not the case in 2D.