

自动化焊机 - **Tricathode process** 三阴极焊接工艺

The complimentary and simultaneous action of:

- 3 double flux TIG arcs 3 个双气流 TIG 电弧
- or 2 TIG arcs + 1 Plasma arc

2 个 TIG 电弧 + 1 个等离子弧

ensures the continuous high speed welding of stainless steel tubes with thicknesses ranging from 0.5 to 8 mm.

对于 0.5 -8 mm 厚的不锈钢管道，能够保证连续高速焊接。



SAF proposes 3 installations :

SAF 有三套装置

■ **TRICATHODE BUFFALO (TIG + TIG + TIG) :**

■ 三阴极 **BUFFALO (TIG + TIG + TIG) ;**

These installations are supplied by 3 very robust BUFFALO power sources for continuous welding.

■ 这种焊接方法主要通过 3 个 **BUFFALO** 电源来保证连续焊接；

- **Tube wall thickness :** 管子的厚度
 - 0.5 to 1.5 mm with **E16 torch**
 - 1 to 3.5 mm with **E25 torch**

■ **TRICATHODE NERTAMATIC 300 TR (TIG + TIG + TIG) :**

■ 三阴极 **NERTAMATIC 300 TR (TIG + TIG + TIG)**

These installations are supplied by 3 transistor power sources type NERTAMATIC 300 TR integrating a programmation of pulsed currents between 1 and 500 Hz which leads to a gain in speed by approximately 15% on tubes.

这些设备可以通过三个晶体管电源 **NERTAMATIC 300 TR** 来提供频率在 **1-500 Hz** 脉冲电流，焊接管子时会使焊接速度增加大约 **15%**。

- **Tube wall thickness** : 管壁的厚度
 - 0.5 to 1.5 mm with **E16 torch**
 - 0.5-1.5 mm **E16 枪**
 -
 - 1 to 3.5 mm with **E25 torch**
 - 1 - 3.5 mm **E25 枪**

■ **TRICATHODE NERTAMATIC 300 TR (TIG + PLASMA + TIG) :**

■ 三阴极电源 **NERTAMATIC 300 TR (TIG + PLASMA + TIG) :**

These installations are supplied by 3 transistor power sources type NERTAMATIC 300 TR integrating a programming of pulsed current between 1 and 500 Hz. Thanks to plasma they can be used for welding tubes with wall thickness ranging from 1 to 8 mm.

这套装置主要有 **3** 个晶体管电源 **NERTAMATIC 300 TR** 组成，能够增加 **1 - 500 Hz** 脉冲电流，等离子焊接可以一道焊透 **1 - 8 mm** 厚的板材。

- **Tube wall thickness:** 管壁的厚度
 - 1 to 3.5 mm with **E25 torch**
 - 1 - 3.5 mm: **E25 枪**
 - 4 to 8 mm with **TIG + PLASMA + TIG torch**
 - 4 - 8 mm with **TIG + PLASMA + TIG 枪**
 - 2 interchangeable **sets**



Torches for these installations : 焊接枪

	<p>Torch E16 E16 枪</p>
	<p>Torch E25 E25 枪</p>
	<p>One piece torch TIG + PLASMA + TIG 这种枪是由 TIG + PLASMA + TIG 组成</p>
	<p>Torch units TIG + PLASMA + TIG with individual adjustments 这种枪是由 TIG + PLASMA + TIG 组成。每个枪可以单独调节；</p>