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- Gas-test button
- Remote-control interfaces
- Automatic fan and cooling unit cut-off
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<td>4.9 kVA</td>
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<tr>
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A SPECIAL MACHINE FOR A SPECIAL MATERIAL

Aluminium is the material used in many branches of industry. During welding, its pronounced thermal conductivity and its oxide layer repeatedly lead to problems that impair the quality of the seam.

Fronius were quick to notice these difficulties — and to develop appropriate solutions. The result is that we can now unveil the first-ever power source to be "tailor-made" for aluminium applications.

AN ALUMINIUM SPECIALIST …

We got the idea for the “Alu-Edition” from welding practice: Aluminium applications need “aluminium machines”. The Alu-Edition is based on the fully digitised TPS 2700 MIG/MAG power source, and comes with a bundle of extra functions and accessories for aluminium.

GENERAL REMARKS

FEATURES FOR ALUMINIUM

TWO PACKAGES

When we developed the special aluminium equipment, we realised that when it came to the welding torches, there were two groups of users — which is why we offer two separate packages:

PACKAGE 1 - JOBMASTER MULTILOCK
for classic aluminium applications

PACKAGE 2 - JOBMASTER PULLMIG
for work with very soft aluminium wires or where longer hosepacks are used

... THAT HAS GOT WHAT IT TAKES

The TPS 2700 Alu-Edition has a control system that has been optimised for the entire aluminium welding process. All the parameters are configured for all aluminium applications. Extra welding programs are integrated for AlMg 4.5 Mn and AlSi 12. In conjunction with the PullMig torch, a special start-up program ensures spatter-free ignition. Furthermore, the machines also come with the specially developed “Alu-SynchroPulse” function, which superimposes a low-frequency pulse over the normal pulse. This results in a quality of seam which is comparable to that of a TIG weld, and ensures that the seam is of flawless appearance.

CONCEPT

Metal transfer

Base metal: AlMg 3
Sheet thickness: 0.6 mm
Filler metal: AlMg 5, Ø 1.2 mm
Shielding gas: Argon

Without start-up program — fusion defects at beginning of seam

With start-up program — no fusion defects

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- 4,075,095,634 TPS 2700 power source, with Euro
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- 4,045,839 Travel carriage “Pick Up”
- 4,047,316,000 JobMaster Multilock hosepack 8 m, with F++ or
- 4,047,316,001 JobMaster Multilock hosepack 8 m, with Euro Connector
- 4,100,217 Installation kit for PMR 4000 PullMig control
- 4,047,316,002 JobMaster PullMig hosepack 3.5 m, with F++ or
- 4,047,316,003 JobMaster PullMig hosepack 3.5 m, with Euro Connector
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Tel: +49 351 68 241-0, Fax: +49 351 68 241-394
E-Mail: sales@fronius.com
http://www.fronius.com

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