



2016

JANUARY

SPECIAL: Sheet metal stamping companies directory

ARTICLES:

Laser/GMA hybrid welding with the aid of low-energy arcs

Simulation approach for the evaluation of the quasi-static strength of welded mixed material joints

GUIDES:

► **Magnetic lifters**

FEBRUARY

ARTICLES:

Improving the process reliability of the combined spot welding and adhesive bonding of aluminium materials – establishing joint parameters for design and simulation

Low dilution, near-net-shape weld surfacing of hard-material reinforced Fe hardfacings using the regulated, energy-reduced GMA short arc technique

GUIDES:

► **Decoilers**

► **Welding smoke collectors**

► **Waterjet cutting companies' directory**

MARCH

SPECIAL: Feimec – Machinery and Equipment International Exhibition (São Paulo/SP, May, 3rd to 7th)

ARTICLES:

Fundamentos metalúrgicos da união a laser

Perfil de propriedades da união de pinos e chapas por adesivo

GUIDES:

► **Metallurgical basics of laser joining process;**

► **Properties profile of adhesive-bonded studs**

► **Boiler work companies' directory**

EXTRA CIRCULATION:

► **FeiMec**

APRIL

SPECIAL: 31ª Feira da Mecânica - 31ª Mechanics Trade Fair (São Paulo/SP, May, 17th to 21st)

ARTICLES:

Electron beam welding of duplex steels without fillers or post-weld heat treatment with combined multipool technology

Influence of imperfections on the load-bearing behaviour of spot-welded joints made of TWIP steels with high manganese contents

GUIDES:

► **Tube fabricating and bending companies' directory**

EXTRA CIRCULATION:

► **FeiMec**

► **Feira da Mecânica**



Editorial calendar

2016

MAY

ARTICLES:

Special procedures in ultrasound-assisted welding
Plasma hybrid welding with an integrated laser and sensor equipment

GUIDES:

- ▶ **Portable roll forming machines;**
- ▶ **Laser welding services providers;**
- ▶ **Grabs and grips for material handling**

JUNE

ARTICLES:

Thin metal sheets welding with reduced heat input

GUIDES:

- ▶ **Punch press tools;**
- ▶ **Pipe beveling machines;**
- ▶ **Masks and breathing equipment for welding operators**

JULY

SPECIAL: Sheet metal cutting and bending companies' directory

ARTICLES:

Grain structure in aluminium TIG welds
Thin sheet joints designed for an appropriate operation

GUIDES:

- ▶ **Heavy machines moving devices (dollies/skates/toe jacks)**

AUGUST

ARTICLES:

Online molten pool diagnostics for monitoring the quality and avoiding defects during arc welding
Clinchen joining of galvanized surfaces

GUIDES:

- ▶ **Holding ovens for stick electrodes;**
- ▶ **3D scanning systems;**
- ▶ **Press brake tooling suppliers**

SEPTEMBER

SPECIAL: Tooling manufacturers for cutting and shaping sheet directory

ARTICLES:

Adhesive bonding basics
Experimental and numerical investigations into the influence of the shielding gas composition on the GMA spray arc process



2016

GUIDES:

- ▶ **Stamping tools;**
- ▶ **Press feeding lines; resistance welding machines**

OCTOBER

SPECIAL: Plasma cutting companies' directory

ARTICLES:

Production of Ni based coatings by welding technologies

Factors influencing the angularity of the studs and FE modelling of distortion and residual stresses for common process variants of arc stud welding

GUIDES:

- ▶ **Shear cut machines, cut to length and slitting lines tooling**

NOVEMBER

ARTICLES:

Decreasing the welding fume emissions caused by modern GMAW processes

Structural morphologies in the case of the resistance spot welding of aluminium/steel joints

GUIDES:

- ▶ **Laser welding machines;**
- ▶ **Wire feeders and torches**

DECEMBER

SPECIAL: VII Metal forming and fabricating machines inventory

ARTICLES:

AC magnetic fields applied to improve the weld quality of laser-beam-welded aluminium joints

24th Euro Blech report (Hanover , Oct 25th to 29th)

Narrow gap welding applied to turbine production

GUIDES:

- ▶ **Transfer systems;**
- ▶ **Stud welding machines**