



Research in progress at the Joining
Technology Centre

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Joining Technology Centre, Member Projects 2008

- Improved properties for Resistance Spot Welding applications
- Plasma welding and plasma brazing
- Optimised joint preparation with Laserhybrid and Tandem MIG/MAG
- Dissimilar metals joining II
- Quality assured brazing
- Methods for mechanised NDT evaluation of weldments
- Methods for avoidance of spatter for MIG/MAG welding
- Optimisation of MIG/MAG welding in 3-6 mm material
- Optimised welding of high-alloyed stainless steels & Ni-base
- Non surface breaking defects in SA welds in Stainless Steel - II

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Joining Technology Centre, K-funded Projects 2008

- Spectroscopic evaluation of arc weld plasma
- Optimised weld nut geometry (resistance welding)
- Residual stresses (network project)
- Arc brazing cracking phenomena
- New joining methods for mixed material joints

The latter 2 projects have evaluations connected to:

- Dissimilar metals joining II
- Quality assured brazing

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Joining Technology Centre, National Projects 2008

- PROHYB (Laser-MAG, thin sheet steel, Vinnova-MERA)
- PUHS (resistance spot welding, thin sheet steel, Vinnova-MERA)

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Companies within the member programme - JTC

- AGA / Linde Gas
- Outokumpu Stainless (AvestaPolarit)
- ESAB
- SSAB Tunnpååt
- Gestamp HardTech
- SAPA
- Sandvik Materials Technology
- Volvo Cars
- Volvo AB (Trucks, CE, Acrivia)
- SCANIA
- SAAB
- Avesta Welding / Böhler Thyssen
- Forsmarks Kärnkraftsgrupp AB
- The Swedish Welding Commission
- Jernkontoret

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Nytt från Fogningscentrum

- Utökat ansvar – ska bli avdelning för Fogningsteknik, dvs ansvara för fler fogningsprocesser
- Personal sökes – känner ni folk som är intresserade?

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