

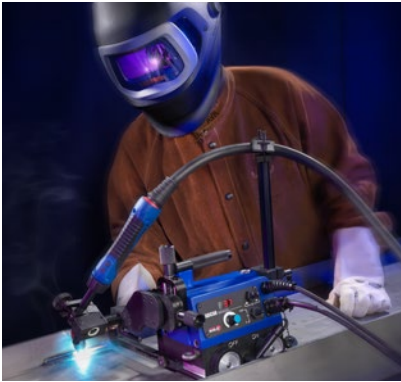
**Mechanise AND be flexible?
Reduce costs by up to 60% AND
relieve employees?**

**The solution!
ABICAR welding tractors**

**Costs, time and quality
optimally matched!**



Welding longitudinal seams with maximum efficiency has never been so easy!



Welding long seams means enormous physical strain on every manual welder and loss of quality in the weld.

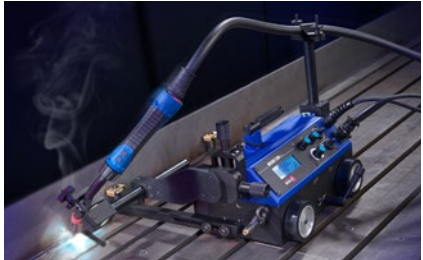
Investing large sums in mechanised or fully automated systems is not always expedient. Low investment solutions often bring unexpected benefits.

ABICAR from ABICOR BINZEL offers a cost-effective, physically relieving and also time-saving solution for long weld seams with consistent quality – no matter how many metres are welded.

Over 60% cost savings per year!

3 reasons when mechanised welding with ABICAR makes sense:

- 1 Profitability:** do you want to complete your projects faster, cheaper and in time?
- 2 Quality:** do you need consistent quality even with a duty cycle > 60%?
- 3 Workload:** do you want to protect the health of your welders and develop them from manual workers to process controllers/machine operators?



Then it's best to take the smart way – with ABICAR!

ABICAR – winner on points for consistent quality!

Welding with ABICAR: The smart choice for long welds!



	Manual	Mechanised	Automated
Flexibility	xxx	xx	x
Process control	xx	xxx	x
Duty cycle	x	xx	xxx
Consistent quality	x	xxx	xx
Acquisition costs	€	€€	€€€

Over 60% cost savings! Up to 60% time savings!

Manual welding vs. mechanised welding!



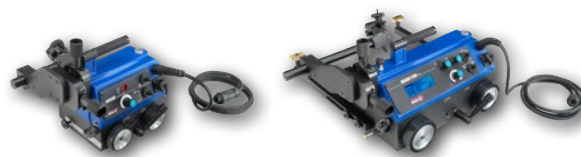
Basis for the calculation:

Process	GMAW (solid wire electrode)
Application	Fillet weld (PB)
Shielding gas	M21 (82/18)
Basis material	S350
Throat thickness	4 mm
Weld seam length per year	10,000 m

		Manual welding	Mechanised welding with ABICAR
Process parameters	Throat thickness [mm]		4
	Wire diameter [mm]		1.2
	Current [A]		270
	Deposition rate [kg/h]		4.3
Filler material costs	Wire [€/kg]		1.8
	Gas [€/l]		0.0015
	Gas volume [l/min]		15
	Total costs per kg shielding gas [€/kg]		2.11
Production costs	Wage costs [€/h]	40	40
	Duty cycle [%]	25	60
	Weight per metre [kg/m]	0.28	0.28
	Welding time per metre [h/m]	0.26	0.11
	Total costs per metre [€/m]	11.01	4.34
Total per year	Total length [m]		10,000
	Total weld weight [kg]		2,800
	Total welding time [h]	2,605	1,085
	Total costs [€]	110,105	43,411
Time savings		1,519 hrs = 58%	
Cost savings		66,694 € = 61%	



Which ABICAR welding tractor is the right one?



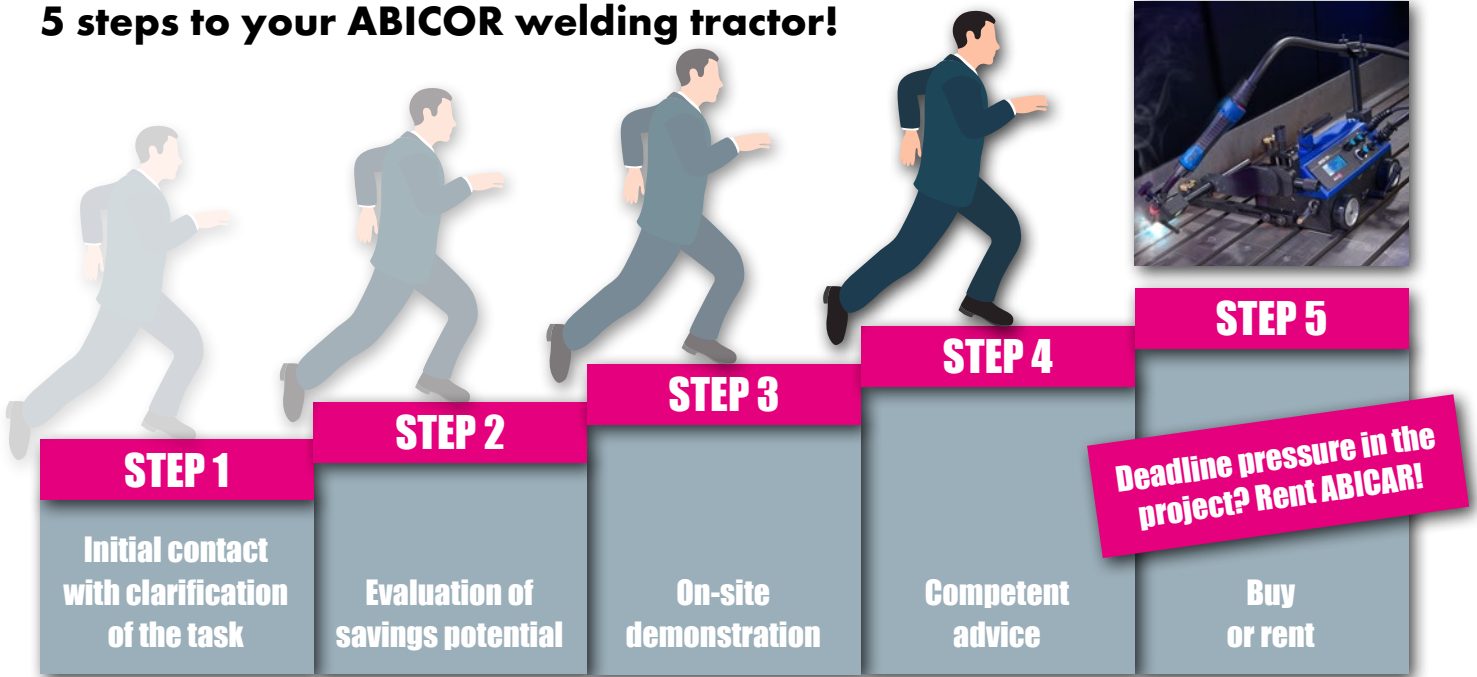
Features	ABICAR ADVANCED	ABICAR 1200 PRO
Max. drive speed	110 cm/min	120 cm/min
Upward welding	✓	✓
Overhead welding	✗	✓ (with accessories)
Stitch welding	✗	✓
Oscillating	✗	✓ (with accessories)
Welding with two torches	✓ (with accessories)	✓ (with accessories)
Programmable weld length	✗	✓
Program memory	✗	✓
Guide rail available	✓	✓

With ABICAR welding tractors you are guaranteed to achieve your goals

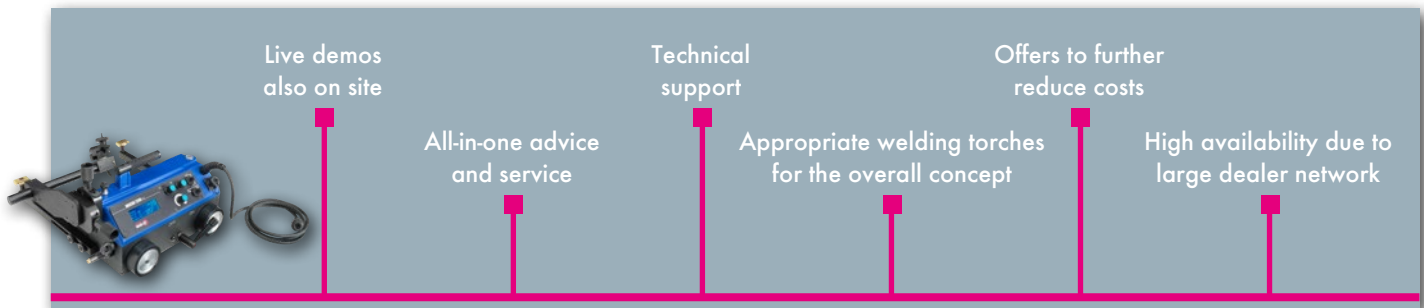
- Increased efficiency
- Increased profitability
- Relieved employees
- Consistent seam quality
- Guaranteed flexibility
- Projects in time

Start now!

5 steps to your ABICOR welding tractor!



ABICOR BINZEL – Your partner for mechanised production!



This brings even more ease and reliability to welding!



- **Appropriate welding torches**
ABIMIG® series torches with an interchangeable neck system bring even more flexibility and perfection to the welding process.
- **Reliable anti-spatter agents**
Spatter adhesion on the component, gas nozzle or clamping device, which means a lot of reworking and a high level of rejects, is now a thing of the past.
- **Smart gas saving systems**
The most underrated savings potential, which can save up to 60% in gas costs and significantly reduce CO₂ emissions into the environment.



Alexander Binzel Schweisstechnik GmbH & Co. KG
Kiesacker · 35418 Buseck · GERMANY
T +49 64 08 / 59-0
F +49 64 08 / 59-191
info@binzel-abicor.com

www.binzel-abicor.com

