



Flying production

with travelling HF welding machines
TDW & TDW-Mega

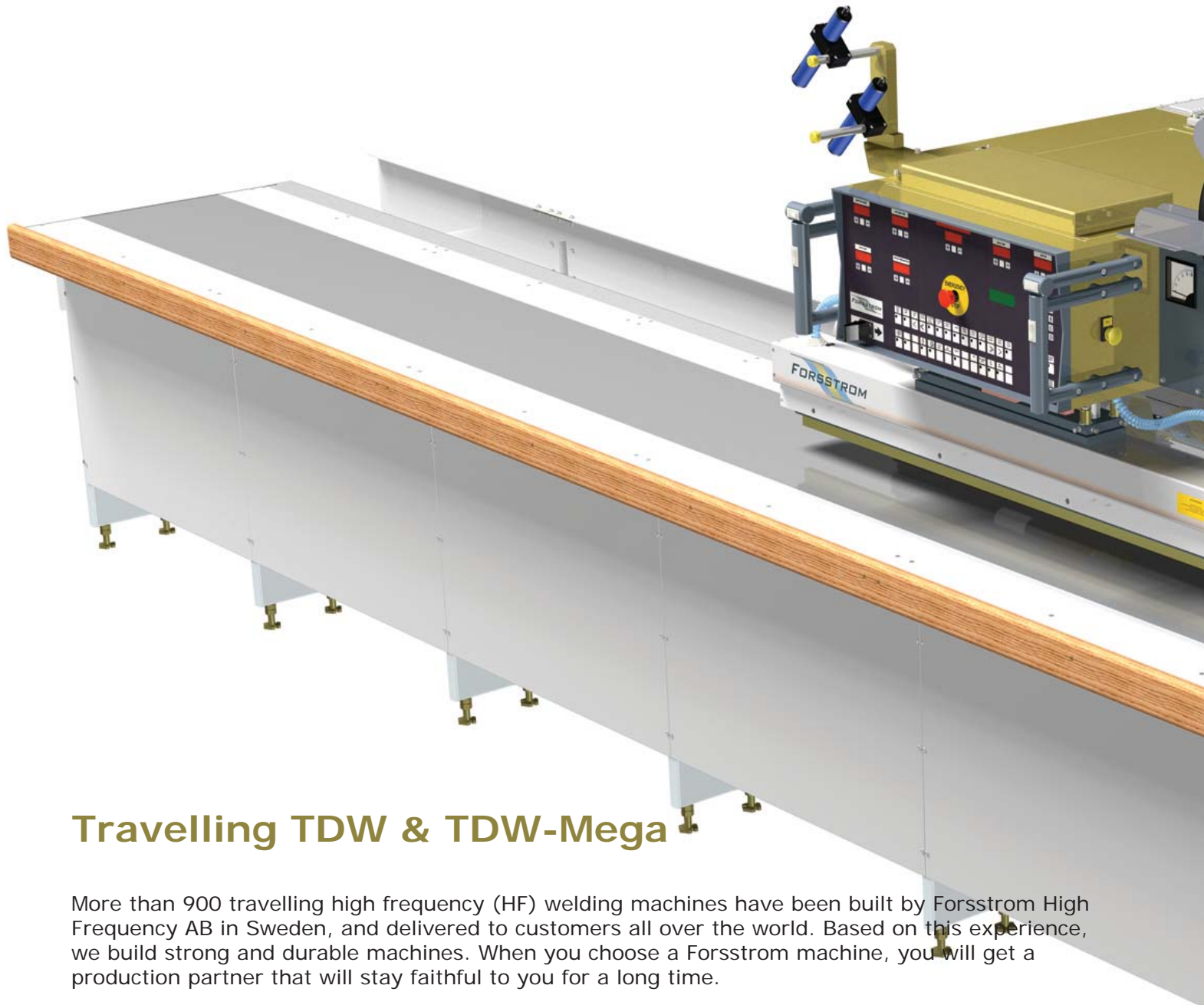


Built for you. Built to last.

machines | equipment | expertise | service



Top precision



Travelling TDW & TDW-Mega

More than 900 travelling high frequency (HF) welding machines have been built by Forsstrom High Frequency AB in Sweden, and delivered to customers all over the world. Based on this experience, we build strong and durable machines. When you choose a Forsstrom machine, you will get a production partner that will stay faithful to you for a long time.

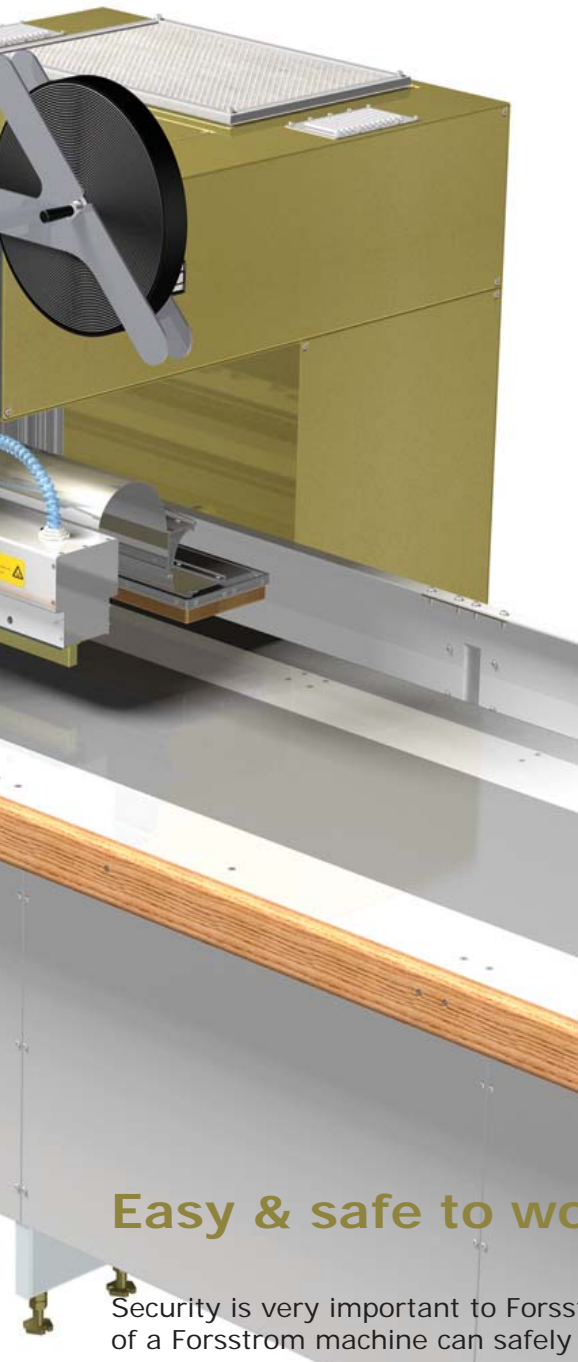
With high precision and reliability, the operators can easily adjust the welding parameters on the TDW and TDW-Mega to achieve high end results. The travelling HF welding machine is the perfect choice for manufacturing PVC and PU products with long, straight welds such as tents, structures, oil booms, truck covers and large-scale production. The machine moves quickly and efficiently along the table, which is available in any length, and can easily be extended because of its modular construction.

Forsstrom manufactures each machine on demand. This makes it possible to tailor the machine to suit exactly your production needs. Our machine design and build quality assure that the machines last for a very long time. With a global service network, Forsstrom supports the maintenance of your equipment wherever you are.

Forsstrom offers one of the largest range of tools for HF welding machines in the market. Our HF welding experts will help you find the right welding solution for your specific needs.

WHAT IS HIGH FREQUENCY WELDING?

High frequency (HF) welding is the joining of materials by supplying HF energy in the form of an electromagnetic field (27.12 MHz) and pressure to the material surfaces to be joined. The welded seam can even be stronger than the material itself.



More than one machine can be installed on longer tables - just add collision protection!



There is plenty of space in the trough. Trough and table can easily be extended to desired length.

Easy & safe to work with

Security is very important to Forsstrom, all of our machines are easy and safe to use. The operator of a Forsstrom machine can safely focus on the production.

All of our machines fulfill the requirements of the ICNIRP (International Commission on Non-Ionizing Radiation Protection) guidelines for limited exposure to electrical, magnetic and electromagnetic fields. All of our machines are CE marked.

We also have machines that comply with the standards for UL and CSA.

The unique Forsstrom software helps the operators to do an excellent job. EMP is a supervisory program that optimizes the welding cycle with the input of only two parameters: pressure and energy. The LOP software quickly calculates the optimum number of equal welds including overlaps needed to weld a desired length. WSS enables you to save up to 1000 welding setups. This assures the quality of the welded product.

All software developed by Forsstrom is included when you buy a Forsstrom HF welding machine. We will teach you how to use the machine, the software and how to optimize the production results.



900+

GLOBAL REFERENCES

Australia, Austria, Bahamas, Bahrain, Belgium, Brazil, Bulgaria, Canada, Chile, China, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Gabon, Germany, Great Britain, Hungary, India, Ireland, Israel, Italy, Japan, Kenya, La Reunion, Latvia, Lithuania, Malaysia, Mexico, Morocco, Nigeria, Norway, Poland, Portugal, Puerto Rico, Qatar, Romania, Russia, Saudi Arabia, Senegal, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, The Netherlands, Tunisia, Turkey, Ukraine, United Arab Emirates, USA...

We thank the following partners for sharing these beautiful photos / projects with us:
Low & Bonar, Graboplan, Architekten Landrell, Custom Covers, Raap Planen, JJ Carter, Markleen, Verseidag, Dickson Constant, Drash, Losberger and Rainier

Service and support. Every day.

Our relationship with our customers does not end when the machine is delivered! We are there for you throughout the entire life of the machine. Forsstrom has a global service network and our service technicians are prepared to make a service call whenever and wherever needed.

With the software iQ, our customers can get online support by Forsstrom's service personnel. They can assist in analyzing and solving problems that might occur in a fast and efficient way. Windows-based iQ is a powerful reporting tool that allows quick identification of weak points and bottlenecks, resulting in optimal usage of production capacities.



TECHNICAL DATA

	TDW up to 200 mm wide welds	TDW-Mega up to 400 mm wide welds
• Welding area	200-1000 cm ²	650-1000 cm ²
• Power output	5-25 kW	16-25 kW
• Weight (without table)	1050 kg	1100 kg
• Welding table	L: optional, H: 960 mm, W: 1250 mm	L: optional, H: 960 mm, W: 940 mm
• Trough	L: optional, H: 245 mm, W: 450 mm	L: optional, H: 245 mm, W: 365 mm
• Free space behind tool	785 mm	825 mm
• Max. weldable width	200 mm	400 mm
• Main fuse (type D)	32-63 A	63 A
• Air consumption	90-140 l/min	90-140 l/min
• Pressure	200-2700 kg (2700 at min 7 bar)	200-2700 kg (2700 at min 7 bar)
• Tool holder	1000, 1200, 1400 and 1600 mm	1000, 1200, 1400 and 1600 mm
• Emergency stop	Yes	Yes
• Earth electrode	Protects against electromagnetic fields	Protects against electromagnetic fields
• Flash protection	Minimizes sparks and burns	Minimizes sparks and burns
• Software	EMP, iQ, LOP, WSS, OMS	EMP, iQ, LOP, WSS, OMS

Design your TDW version

The TDW and TDW-Mega are Forsstrom's most popular machine models and have been used successfully by operators for many years. Some of our customers say that the machine is just like a real workhorse...

We can help you to design a machine that fits your needs perfectly.

1. HOW WIDE WELDS DO YOU REQUIRE?

Choose the TDW version depending on how wide welds your products require. Choose the TDW-Mega for up to 400 mm wide welds. Choose the TDW for up to 200 mm wide welds.

2. CHOOSE THE POWER YOU NEED

Select kW (5-25 kW) based on your desired tool size for efficient production. Welding area: 200-1000 cm², 1 kW = 40 cm².



3. CHOOSE TROUGH AND TABLE

Standard, magnet or vacuum table. Length is customized to suit you. Rear trough is standard, an alternative is to have both rear and front trough or a flat table.

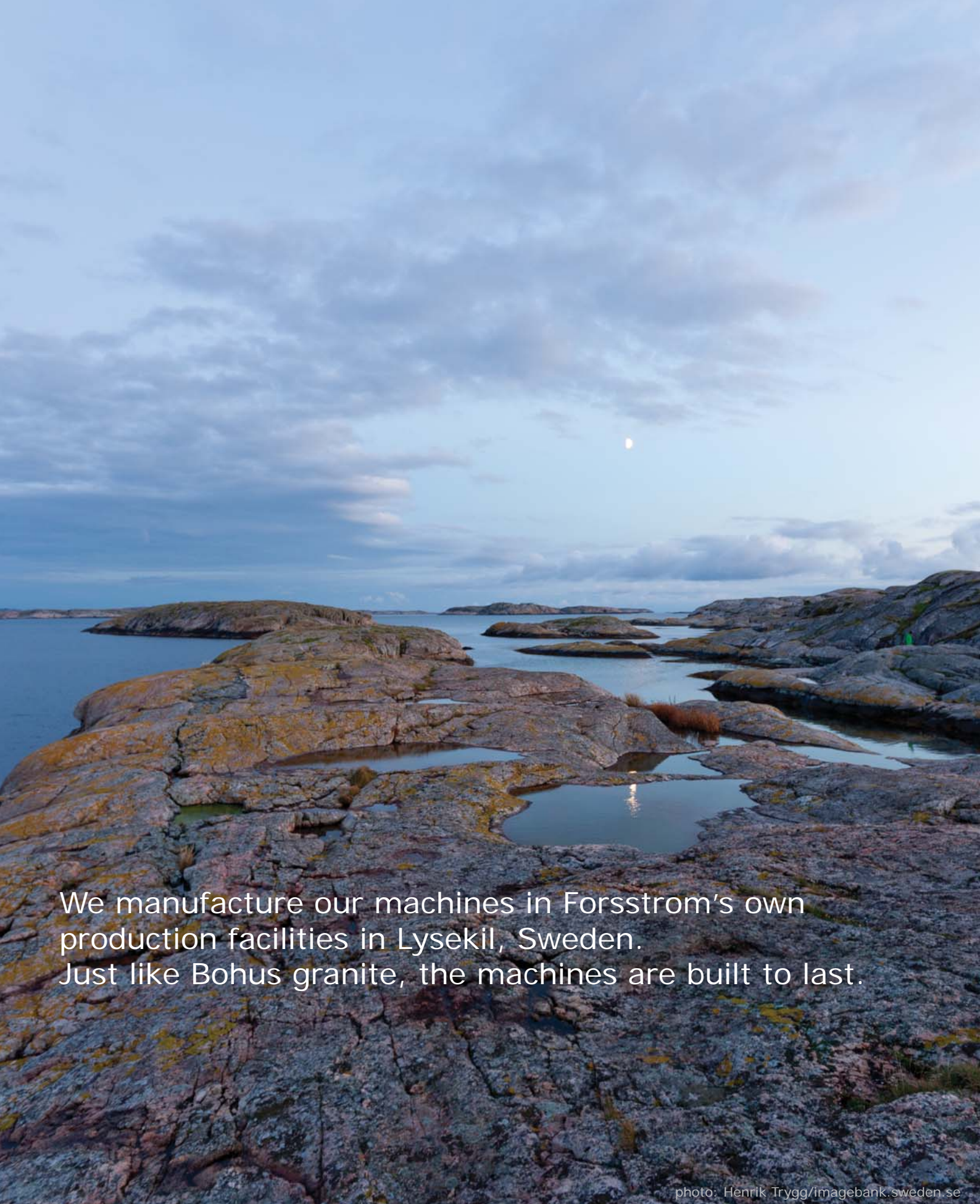
4. CHOOSE ACCESSORIES AND TOOLS

Table rollers, lasers, band holders, keder and zipper guides. A wide range of electrodes are available to suit your production needs. Tool change is easy!



more choices at
forsstrom.com





We manufacture our machines in Forsstrom's own
production facilities in Lysekil, Sweden.
Just like Bohus granite, the machines are built to last.

photo: Henrik Trygg/imagebank.sweden.se

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