

FORSSTROM

**YOUR ONE-STOP PARTNER
FOR FABRIC WELDING**

PRODUCT CATALOG



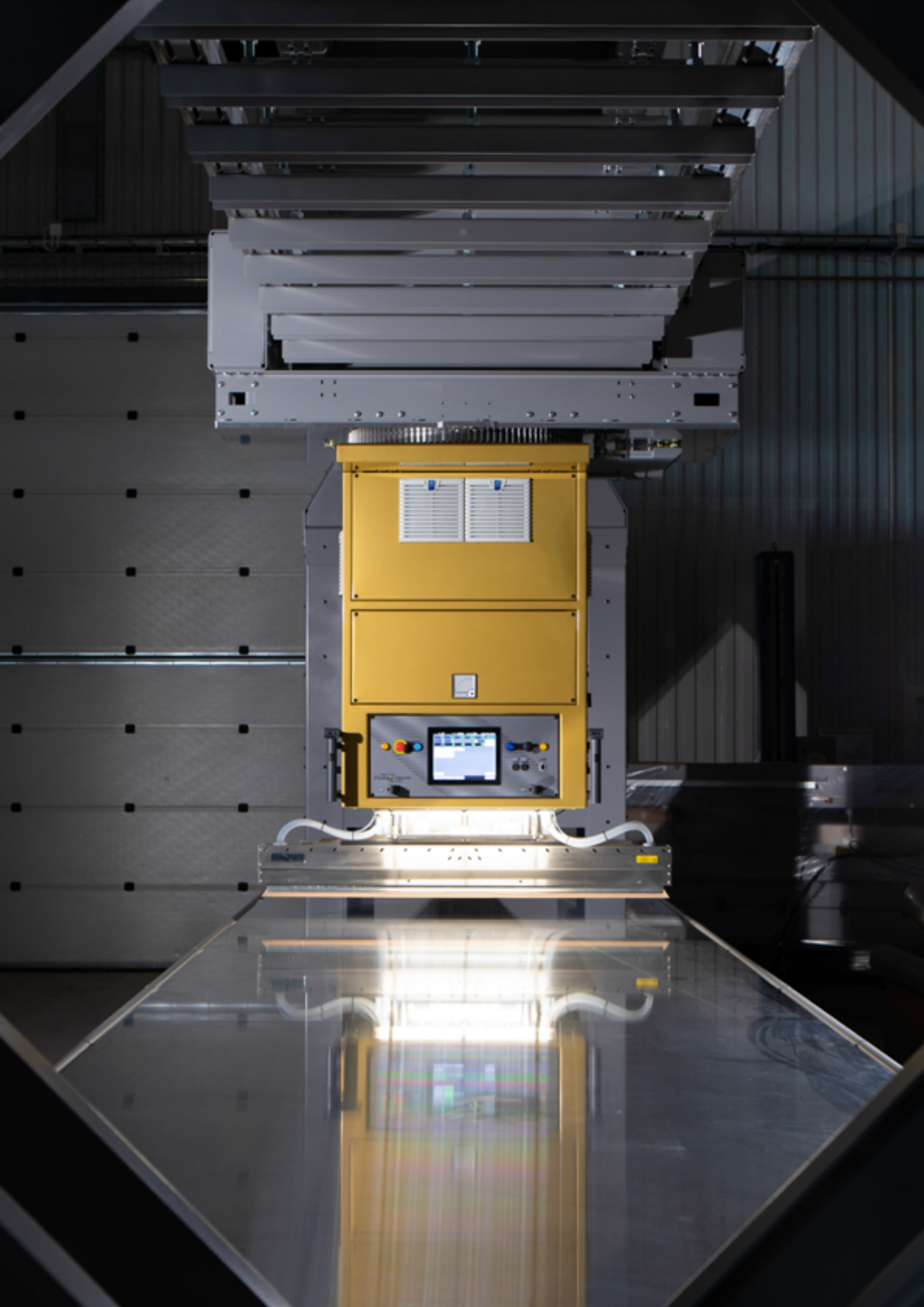








TABLE OF CONTENTS

HIGH FREQUENCY

	04-17	STATIONARY MACHINES
	18-25	TRAVELLING MACHINES
	26-29	MOBILE MACHINES
	30-33	SUSPENDED MACHINES
	34-39	GENERATORS AND PRESSES MACHINES
	40-45	ACCESSORIES AND AFTER MARKET

IMPULSE

	46-49	IMPULSE MACHINES
---	-------	------------------


HOT WEDGE

	50-53	HOT WEDGE MACHINES
---	-------	--------------------

MATERIAL HANDLING

	54-57	MATERIAL HANDLING
---	-------	-------------------

CONSULTATION

	58-61	CONSULTATION AND ACADEMY
---	-------	--------------------------



TX

OUR MOST POPULAR STATIONARY MACHINE

Forsstrom TX is a reliable and efficient high frequency welding machine with up to 500 cm² weld area. The well-balanced machine can both be used as a stand-alone and as a complement to a larger system of welding machines.

Description	
Power	5-12kW
Welding Area	200-500 cm ²
Welding Width	200mm

FEATURES

- 3-side Access Design
- 75 mm Daylight (with a 45 mm high electrode)
- Well-Balanced and Efficient
- Forsstrom™ Industrially Developed, HF-classified Computer

APPLICATION



TX-MEGA

LARGE STATIONARY MACHINE

Forsstrom TX-Mega is a larger version of the popular HF-welding machine TX and can weld up to 450 mm in width. The powerful TX-Mega has been developed to weld volume products and can weld an area of up to 800 cm².

Description	
Power	10-20kW
Welding Area	400-800 cm ²
Welding Width	400mm

FEATURES

- 3-side Access Design
- 2700 kg Maximum Pressure (1400 kg for 10-12kW)
- Wider Welding Table
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TX-FS

EARTH-ELECTRODE FREE STATIONARY MACHINE

The Forsstrom TX-FS machine is based on our TX chassis but with no earth electrode. The well-balanced machine can both be used as a stand-alone and as a complement to a larger system of welding machines.

Description	
Power	5-8W
Welding Area	200-300 cm ²
Welding Width	200mm

FEATURES

- No Earth Electrode
- 3-side Access Design
- Well-Balanced and Efficient
- Well Suited for Automation Solutions.
- Independent Operating Panel
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TX-AUTOMATIC

KEDER MACHINE

Consisting of, in addition to the welding machine, an off-winding, indexing and optionally an up-winding unit if required. The TX Automatic has a production capacity of 200–300 meter/hour depending on end product.

Description	
Power	5-12W
Welding Area	200-500 cm ²
Welding Width	-

FEATURES

- Automatic Off-Winding of Two (2) Rolls up to 600 mm in Diameter and Two (2) Rolls up to 350 mm in Diameter
- Indexing Unit with an Adjustable Stroke Length up to 1250 mm
- Tooling Depending on Application
- Up-Winding Unit for Rolls with a Maximum Diameter of 600 mm (optional)
- Forsstrom™ Industrially Developed, HF-Classified Computer

XP

SMALL AND DETAILED MACHINE

The stationary HF-welding machine Forsstrom XP has been developed for complex and detailed welding. The XP can weld with as small tools as 1 cm².

Description

Power	2-5kW
Welding Area	80-200 cm ²
Welding Width	-

FEATURES

- Complex and Detailed Welding
- Socket for External Eyelet Press (optional)
- Small, Delicate Electrodes Available
- Weld with Tools as Small as 1 cm².
- Forsstrom™ Industrially Developed, HF-Classified Computer

AVAILABLE IN THREE VERSIONS

- XP 80 (2 kW) with Free-Arm
- XP 120 (3 kW) with Welding Table
- XPV 200 (5 kW) with a Transversely-Mounted Electrode Holder

APPLICATION



DR

LARGE STATIONARY MACHINE

The DR enables optimized material handling with the possibility to work from three sides of the machine. This model has a mechanical adjustable stop of the sink depth, which enables a safe weld of non-reinforced material for the production of for example pool liners.

Description	
Power	5-12kW
Welding Area	200-500 cm ²
Welding Width	200mm

FEATURES

- 1500 mm Free Space Behind the Electrode
- Mechanical Adjustable Stop of the Sink Depth, Ensuring a Safe Weld of Non-Reinforced Material Such as Pool Liners.
- Larger Welding Table and Adaptable Machine Height
- 3-side Access Design

APPLICATION



DR-MEGA

LARGE STATIONARY MACHINE

The DR-Mega is a larger version of the DR, developed for applications requiring increased welding width. Built on the same robust concept as the DR, the DR-Mega retains its three-side access design and precise control of sink depth, while offering enhanced capacity and flexibility for demanding welding applications.

Description	
Power	5-12kW
Welding Area	200-500 cm ²
Welding Width	400mm

FEATURES

- 1500 mm Free Space Behind the Electrode
- Mechanical Adjustable Stop of the Sink Depth, Ensuring a Safe Weld of Non-Reinforced Material Such as Pool Liners.
- Larger Welding Table and Adaptable Machine Height
- 3-side Access Design

APPLICATION



PTW

PLATEN MACHINE

Forsstrom PTW is a HF Platen welding machine with a stable controlled HF power output, ideal for various HF welding applications that require precision flat surface for product positioning and complex shape welds.

Description

Power	12-20kW
Welding Area	500-800 cm ²

FEATURES

- Welding Table(s) 1130x850mm, Weldable Area 810x640mm (optional 1000x820)
- Independent Operating Panel
- Designed for Connecting Shuttles or Turntables Effortlessly
- 190 mm Press Head Travel
- Precise and Complex Welds
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



PTW-MEGA

PLATEN MACHINE

Forsstrom PTW-Mega is a HF Platen welding machine with a stable controlled HF power output, ideal for various HF welding applications that require precision flat surface for product positioning and complex shape welds.

Description

Power	12-20kW
Welding Area	500-800 cm ²

FEATURES

- Welding Table(s) 1580x1130mm, Weldable Area 1450x1086mm
- Independent Operating Panel
- Designed for Connecting Shuttles or Turntables Effortlessly
- 190 mm Press Head Travel
- Precise and Complex Welds
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



F-LINE

PLATEN MACHINE

The F-Line is a 4-8 pillar platen welding machine with stable controlled HF-power output for various HF-welding applications that require precision flat surface for product positioning and complex shape welds. The Forsstrom F-Line is equipped with single or double shuttle table(s) for efficient production.

Description

Power	20-40kW
Welding Area	800-1600 cm ²

FEATURES

- Welding Table(s) 2350x1420mm, Weldable Area 2300x1350mm
- For Complex Shape Welds
- Suitable for Large-Volume Production
- Side Mounted HF-Unit for Easy Access and Service
- Independent Operators Panel with 12" Touch Screen
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION





TG-S • NEW

STATIONARY GANTRY MACHINE

The advanced HF-welding machine TG-S saves time in the manufacture of large-volume products, such as oil booms and liquid tanks. The TG-S is an excellent machine to use when making windows for tents.

Description

Power	12-20kW
Welding Area	500-800 cm ²
Welding Width	200mm optionally 400mm

FEATURES

- 200 mm Welding Width, Optionally 400 mm Available
- Forsstrom™ Industrially Developed, HF-Classified Computer
- Pre-Programmable Welding Cycles

APPLICATION





BTW • NEW

CONVEYOR BELT WELDING MACHINE

Designed for welding flights and closing endless PVC and PU conveyor belts, the BTW combines high-frequency precision with robust mechanical design. Equipped with a servo drive tool holder, it ensures consistent welding performance and precise control. Fully integrated with Forsstrom's digital iQ platform, it enables traceable production, process optimization, and predictive service support. Built for industrial environments, the machine delivers exceptional accuracy, ease of maintenance, and reliability in high-duty applications.

Description

Power	12kW
Welding Area	500 cm ²

FEATURES

- Locking mechanism for machine frame enabling endless belt welding min 2.5 m
- Independent operator's panel with 12" touch screen (optional)
- Water-cooled electrode for tools up to 1530x70 mm
- Integrated OMS, WP, and iQ systems for optimized process control
- Forsstrom's industrially developed, HF-classified computer

APPLICATION



EBW • NEW

EDGE BAND WELDING MACHINE

Designed for welding edge bands onto PVC and PU conveyor belts, the EBW combines high-frequency precision with robust mechanical design. Equipped with a servo drive tool holder, it ensures consistent welding performance and precise control. Fully integrated with Forsstrom's digital iQ platform, it enables traceable production, process optimization, and predictive service support. Built for industrial environments, the machine delivers exceptional accuracy, ease of maintenance, and reliability in high-duty applications.

Description

Power	12kW
Welding Area	500 cm ²

FEATURES

- Locking mechanism for machine frame enabling endless belt welding (min 3300mm)
- Independent operator's panel with 12" touch screen (optional)
- Water-cooled electrode for tools up to 850x90 mm
- Integrated OMS, WP, and iQ systems for optimized process control
- Forsstrom's industrially developed, HF-classified computer

APPLICATION





TD • VERSION 2.0

OUR SMALLEST TRAVELLING MACHINE

The Forsstrom TD machine is the smallest of our travelling machines. There is 520 mm of free space behind the electrode. The length of the welding table is customized to the size of the products that will be manufactured in the machine.

Description	
Power	5-12kW
Welding Area	200-500 cm ²
Welding Width	200mm

FEATURES

- 520 mm Free Space Behind the Electrode
- Our Smallest Travelling Machine
- Customizable Table Length, With or Without Small Trough-s
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TD-FS

EARTH-ELECTRODE FREE TRAVELLING MACHINE

The TD-FS is based on our TD platform but designed without an earth electrode. This configuration enables welding in applications where a conventional earth electrode is not suitable or where it interferes with the welding process. With the same compact footprint and customizable table length as the TD, the TD-FS offers a flexible solution for specialized HF welding processes.

Description	
Power	5-8kW
Welding Area	200-300 cm ²
Welding Width	200mm

FEATURES

- 520 mm Free Space Behind the Electrode
- No Earth Electrode
- Customizable Table Length, Optional Trough in Front of Table
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TD-CEILING • VERSION 2.0

FOR STRETCH CEILINGS

Forsstrom's TD-CEILING is a turnkey solution that has been developed for production of high quality stretch ceilings. It has cut/seal welding and edge banding (keder), all in one machine. TD-CEILING has a dual HF-output (5 kW/10 kW) to enable welding with thin cutting edge electrodes as well as wider electrodes. Level 2 table system for straight machine transportation.

Description	
Power	5/10kW
Welding Area	200/400 cm ²

FEATURES

- Stable and Optimized HF-Generator
- Customizable Table Length
- Fine-Tuned Machine Tools
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Seamless Table and Straight Track System
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TD-CINEMA • VERSION 2.0

FOR CINEMA SCREENS

Forsstrom's TD-CINEMA is a turnkey solution that has been developed for production of high quality cinema screens. It has cut/seal welding all in one machine. TD-CINEMA has a dual HF-output (5 kW/10 kW) to enable welding with thin cutting edge electrodes as well as wider electrodes. Level 2 table system for straight machine transportation. Ironing tool for making seams flat.

Description	
Power	5/10kW
Welding Area	200/400 cm ²

FEATURES

- Stable and Optimized HF-Generator
- Customizable Table Length
- Fine-Tuned Machine Tools
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Seamless Table and Straight Track System
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TDW • BEST SELLER

OUR MOST POPULAR TRAVELLING MACHINE

The TDW, a trusted choice for over 30 years. The TDW is a large travelling machine with customized table length and it has 785 mm of free space behind the electrode. The welding table is equipped with a large trough for material storage.

Description	
Power	5-25kW
Welding Area	200-1000 cm ²
Welding Width	200mm

FEATURES

- 785 mm Free Space Behind the Electrode
- Customizable Table Length
- Trough for Convenient Material Storage
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Forsstrom™ Industrially Developed, HF-classified Computer

APPLICATION



TDW-MEGA

LARGE TRAVELLING MACHINE

The TDW-Mega is developed on the request of our customers. The model is based on our TDW chassis, it has 825 mm of free space behind the electrode and is equipped with a wider lower press table and has a welding width of up to 400 mm.

Description	
Power	16-25kW
Welding Area	650-1000 cm ²
Welding Width	400mm

FEATURES

- 825 mm Free Space Behind the Electrode
- Customizable Table Length
- Trough for Convenient Material Storage
- Expanded Stroke Length
- Diverse Welding Applications
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TDW-ULTRA

LARGE TRAVELLING MACHINE FOR SPECIAL TOOLING

The TDW-Ultra is a larger version of Forsstrom's TDW and it is equipped with a wider lower press table, with a welding width of up to 600 mm. The 600 mm welding width increases the possibilities for welding large products that require special tooling.

Description	
Power	16-30kW
Welding Area	650-1200 cm ²
Welding Width	600mm

FEATURES

- 820 mm Free Space Behind the Electrode
- Customizable Table Length
- Trough for Convenient Material Storage
- Expanded Stroke Length
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TDP

PLATFORM TRAVELLING MACHINE

TDP is a travelling HF-welding machine with one or two platforms mounted on either side of the machine. The operator works on the platform behind the machine and travels with it as it moves along the table. The operating panel is attached to a turnable arm.

Description	
Power	5-12kW
Welding Area	200-500 cm ²
Welding Width	200mm

FEATURES

- 520 mm Free Space Behind the Electrode
- Platforms for the Operator(s)
- Customizable Table Length
- Can be Supplemented with Separate Material Table
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TG-90

TRAVELLING GANTRY MACHINE

Developed to minimize handling and increase productivity for our customers in an efficient and economical way. The TG-90 Mega offers a wide spectrum of advantages.

Description

Power	8-25kW
Welding Area	300-1000 cm ²
Welding Width	200mm

FEATURES

- 400 mm Welding Width Optional
- Platforms for the Operator(s)
- Customizable Table Length
- ±300 mm Lateral Adjustment and 180° Rotation of Machine Head
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TG-FLEX

TRAVELLING GANTRY MACHINE

The advanced HF-welding machine TG-Flex saves time in the manufacture of large-volume products, such as oil booms and liquid tanks. The TG-Flex is an excellent machine to use when making windows for tents.

Description

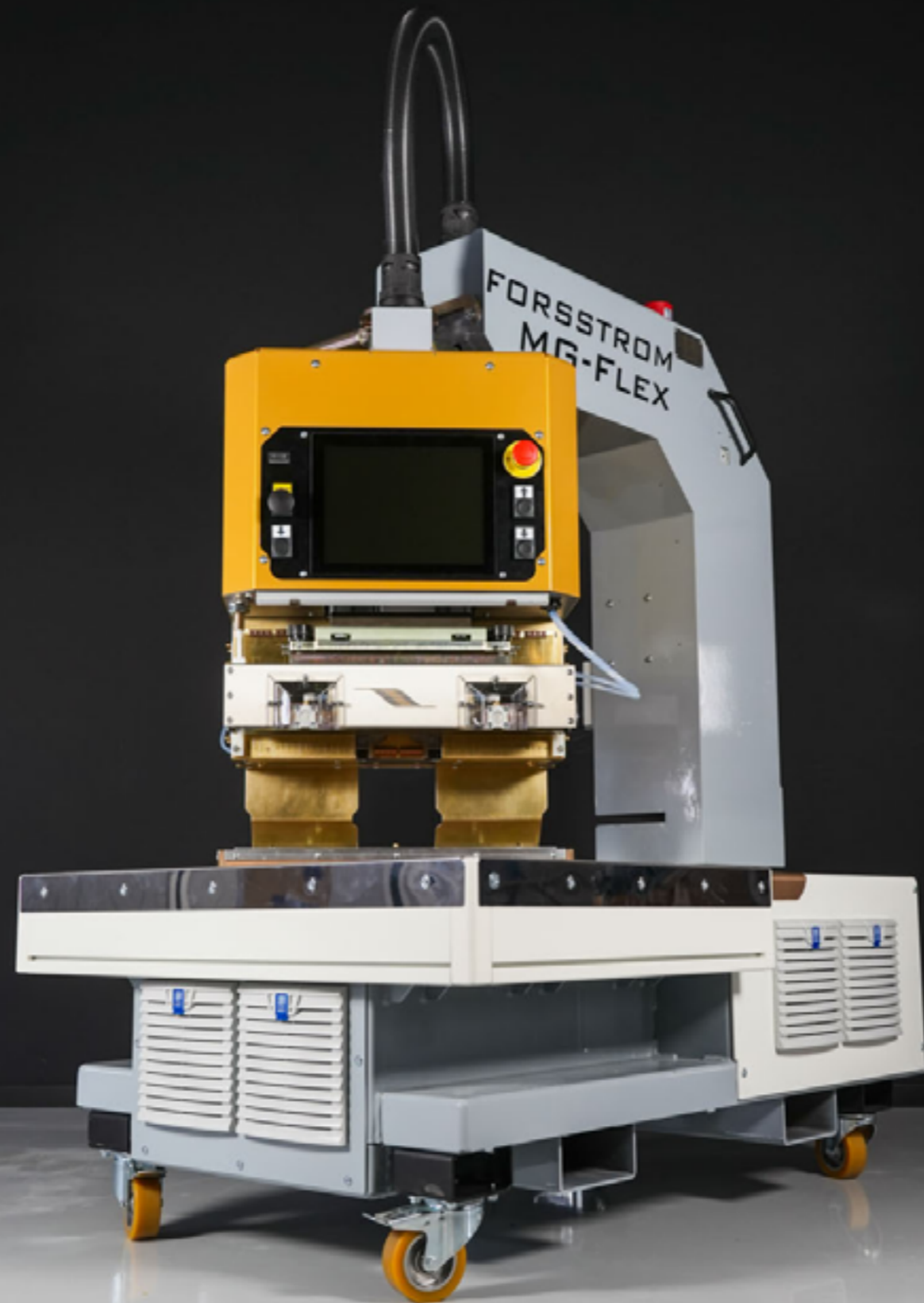
Power	8-25kW
Welding Area	300-1000 cm ²
Welding Width	200mm

FEATURES

- 400 mm Welding Width Optional
- Platforms for the Operator(s)
- Customizable Table Length
- ±600 mm Lateral Adjustment and 360° Rotation of Machine Head
- Pre-Programmable Welding Cycles and Automatic Welding Options
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION





MG-FLEX 300

SMALL MOVABLE MACHINE

The Forsstrom MG-Flex 300 is a compact HF-welding machine with a welding head that can rotate 180°. The 180° rotation is a helpful tool in the HF-welding process and it makes it easy for the operators to join heavy materials.

Description

Power	8kW
Welding Area	300 cm ²
Welding Width	350mm

FEATURES

- 690 mm Free Space Behind the Electrode
- 80 mm Z-Guide
- Manual 180° Rotation of Machine Head
- Movable on Wheels for Joining Large and Heavy Panels
- 195 mm Daylight
- Can be Place on a Stand as an Accessory
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



MG-L

MOVABLE SUSPENDED MACHINE

Forsstrom MG-L is a movable suspended HF welding machine with a welding head that can rotate +/- 180°, a helpful tool in the HF welding process. It has an advanced drive system with four remotely controlled Mecanum wheels with individual drive motors and with 8 rolls in each wheel.

Description

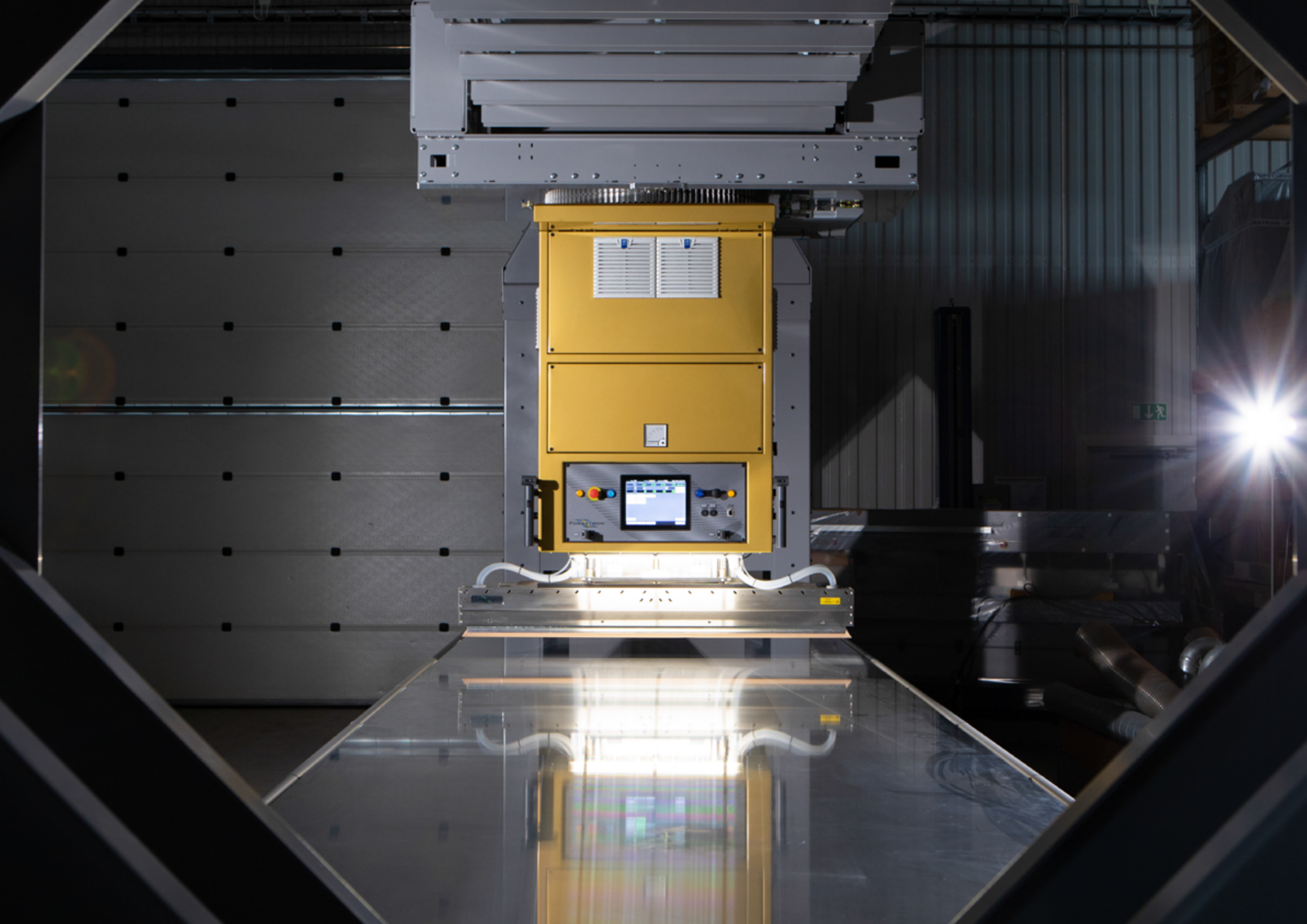
Power	12-20kW
Welding Area	500-800 cm ²
Welding Width	200mm

FEATURES

- 400 mm Welding Width Optional
- 888 mm Free Space Behind the Electrode
- 140 mm Z-Guide
- Manual 180° Rotation of the Machine Head
- Remotely Controlled Motor Drive System
- 95 mm Daylight
- 3-in-1 Solution
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION





TDO-XS

SMALL SUSPENDED MACHINE

The TDO-XS machine consists of a suspended HF-generator with welding press and is a stationary machine. The TDO-XS is a smaller model of the TDO-L. TDO-XS is thus less heavy to rotate manually than the TDO-L.

Description	
Power	8-20kW
Welding Area	300-800 cm ²
Welding Width	200mm

FEATURES

- 400 mm Welding Width Optional
- Light and Compact
- 360° Manual Rotation of the Machine Head (Optional)
- Stationary
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TDO-M

GANTRY MACHINE

The TDO-M Gantry consists of a suspended HF-generator with welding press and is a travelling machine. The suspended machine head provides unlimited space on all sides of the machine, making the model suitable for large material volumes, such as when producing large tents and structures. It is a smaller model of the TDO-L, but larger than the TDO-XS.

Description	
Power	8-20kW
Welding Area	300-800 cm ²
Welding Width	200mm

FEATURES

- 400 mm Welding Width Optional
- Light and Compact
- 360° Manual Rotation of the Machine Head (Optional)
- Stationary
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION



TDO-L

GANTRY MACHINE

The TDO-L's suspended design offers unlimited space on all sides, making it perfect for large-scale productions. The model can also be equipped with lateral machine head adjustment, offering up to ±0.5m lateral adjustments and 360° manual or motorized rotation.

Description	
Power	5-20kW
Welding Area	200-800 cm ²
Welding Width	200mm

FEATURES

- 400 mm Welding Width Optional
- ±0.5m Lateral Adjustment of the Machine Head (Optional)
- 360° Manual or Motorized Rotation of the Machine Head (Optional)
- Stationary or Travelling
- Automatic Welding Options
- Customizable Table Length
- Forsstrom™ Industrially Developed, HF-Classified Computer

APPLICATION





FG 120

3KW HF GENERATOR

The FG 120 is a small 3kW HF-generator with built-in control system for controlling welding parameters such as time and power. The model can be equipped with a switch for alternating dual outputs. The FG 120 is suitable as a stand-alone unit for eyelet welding. Additionally, the generator is ideal for inline HF-production of medical and packaging applications.

Description

Power	3kW
Welding Area	120 cm ²

TR-0.6 • NEW

600W SOLID STATE GENERATOR

Forsstrom's machine model TR-0.6 is a compact 600W HF-generator with a built-in control system for managing welding parameters such as time and power. It can also be used as a stand-alone unit and is well-suited for inline HF production in medical and packaging applications.

Description

Power	600W
Welding Area	24 cm ²

TR-1-4 • NEW

1-4KW SOLID STATE GENERATOR

Forsstrom's machine model TR-1-4 is a compact 1-4kW HF-generator with a built-in control system for managing welding parameters such as time and power. It can also be used as a stand-alone unit and is well-suited for inline HF production in medical and packaging applications.

Description

Power	1-4kW
Welding Area	40-160 cm ²



TP-120 - FG-120

TABLE PRESS

TP 120, is a small table press with a 300 mm electrode holder. Maximum electrode width at full length (300 mm) when connected to FG 120 is 40 mm. Distance between center of welding electrode and machine frame is 150 mm.

Description	
Power	3kW
Welding Area	120 cm ²

TP-120 - TR-0.6 ● NEW

TABLE PRESS

TP 120, is a small table press with a 300 mm electrode holder. Maximum welding area is 24 cm² when connected to TR-0.6. Distance between center of welding electrode and machine frame is 150 mm.

Description	
Power	600W
Welding Area	24 cm ²

TP-120 - TR-1-4 ● NEW

TABLE PRESS

TP 120, is a small table press with a 300 mm electrode holder. Maximum welding area is 40 cm² - 160 cm² when connected to TR-1-4. Distance between center of welding electrode and machine frame is 150 mm.

Description	
Power	1-4kW
Welding Area	40-160 cm ²

CP9

EYELET PRESS

The CP9 is a single sided eyelet press with automatic feeding of eyelet(s). It stands as an advanced high-frequency (HF) welding machine when connected to the FG 120 or TR-0.6. It is designed to streamline your production process by integrating setting, punching, and welding into a single, seamless operation.

Description	
Power	600W
Welding Area	24 cm ²

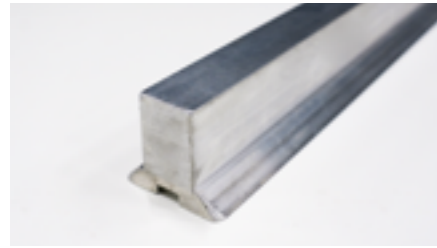
CP8

EYELET PRESS

The CP8 is a single or double-sided eyelet press with automatic feeding of eyelet(s). It stands as an advanced high-frequency (HF) welding machine when connected to the FG 120 or TR-0.6. It is designed to streamline your production process by integrating setting, punching, and welding into a single, seamless operation.

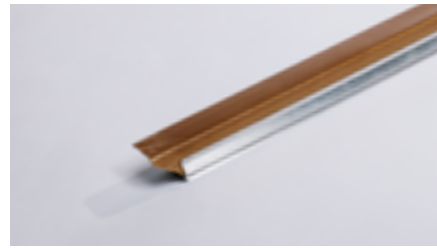
Description	
Power	600W
Welding Area	24 cm ²





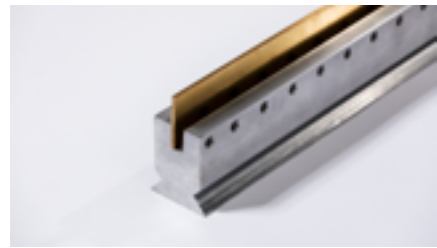
STANDARD ELECTRODE

Our standard electrode is a single rectangle-shaped tool suitable for joining flat material layers, such as panels for truck covers. This is the most commonly used type of electrode among our customers and it is made of aluminum.



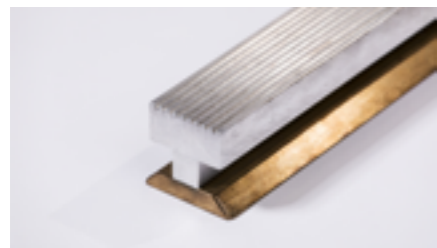
SOFT ELECTRODE

A soft electrode is a metal tool covered with silicone and Teflon®. With a soft electrode, it is possible to produce a seam that is practically invisible, thanks to the soft edges of the cover material, which reduce the imprint of the electrode on the welded surface. This is particularly important when welding billboards or mesh materials.



CUTTING EDGE ELECTRODE

A cutting edge electrode (tear-seal electrode) has a sharp cutting edge adjacent to the welding tool edge along the length of the electrode. With this type of tool it is possible to simultaneously weld and cut the material. This makes it easy to tear off waste material from the product after the welding process is finished.



GROOVED ELECTRODE

The grooved electrode, also known as a fluted electrode, features grooves on its welding surface, making it versatile for various applications. Particularly beneficial for achieving a stronger seam when welding a reinforced material, since a grooved electrode locks the PVC to the fibres in many more places than a standard electrode does.



LAMELLA ELECTRODE

The lamella electrode consists of several 2 mm spring-loaded lamellas mounted along the electrode. The lamellas adapt to the surface, which makes it possible to weld different amounts of material layers in one step. This both saves time and helps to improve the finish of the final product.



DOUBLE ELECTRODE

A double electrode consists of two parallel welding electrodes mounted on a holder. It is used for creating channels, which is helpful for example when welding truck covers that will be equipped with different types of straps. It saves time since it welds two seams simultaneously and it helps improving the final product's appearance.



EYELET ELECTRODE

An eyelet electrode is a special type of transfer tool, made for welding eyelets and valves onto another material. The eyelet electrode can be placed as a supplementary tool in the correct position directly onto the material. It can also be attached to a standard 20-25 mm wide electrode in the desired position.



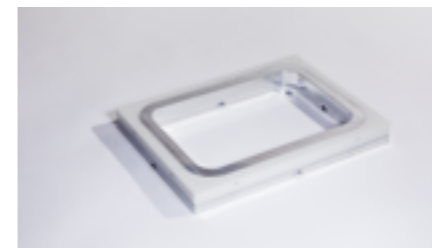
PRESS PLATE

A press plate is used to weld with loose tools (supplementary tools). The press plate is fastened in the machine's electrode holder and is used to press against the loose tools placed directly on the material to be welded. In most cases the press plate is of the same length as the electrode holder. The press plate's maximum width depends on the machine model, but it is generally between 200 and 450 mm wide.



HOOK AND LOOP ELECTRODE

A hook-and-loop electrode is used to weld hook-and-loop fasteners onto another material. The shape of the electrode depends on the width of the fastener. For narrower hook-and-loop strips, the electrode is often designed as a double electrode. For wider hook-and-loop strips, the electrode is divided into "pockets," where the partitions hold the fastener in place during the welding cycle.



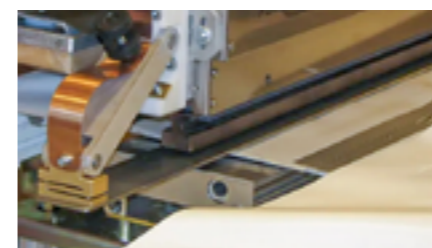
BOTTOM STOP ELECTRODE

A bottom stop prevents the electrode from sinking down more than desired into the material during the welding cycle. This device is more or less necessary when welding non-woven materials. This is because a non-woven material is less persistent to pressure than a woven material when it melts, and if normal pressure is applied, there is a great risk that the electrode sinks right through the material during the welding cycle.



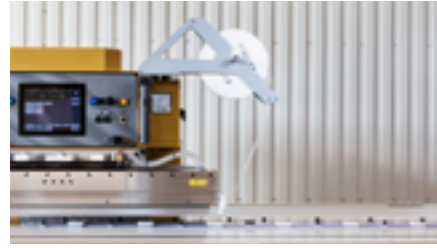
CURVED ELECTRODE

Our curved electrode has a rounded shape, which is very useful when welding applications that require a curved seam, for example details on tents. Instead of making a curve by welding with a short, straight electrode in several steps, it is possible to weld the curve in one step with a curved electrode. This saves time and improves the finish of the end product.



TUBE-CLOSING TOOL

The tube-closing tool is used together with another electrode to weld seams along the length of tubes or cylinders. The tube-closing tool is equipped with a plate, which works as an insulating interlayer that prevents the overlap from being welded together with the material at the bottom of the tube. The tool is attached to the tool holder and thus automatically follows the travelling machine when it moves to make the next weld.



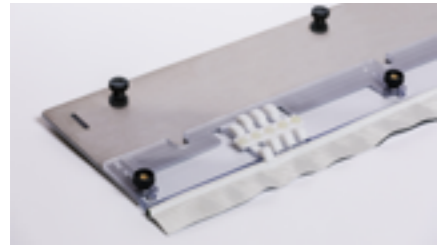
BAND HOLDER

The adjustable band holder is mounted on the side of the machine head to facilitate the positioning of reinforcement bands in various widths. The band holder can be equipped with an automatic band cutting unit, which is popular when welding side curtains for trucks. A smaller band holder can be positioned on either side of the electrode holder and is used for welding tapes, when producing for example awnings and billboards.



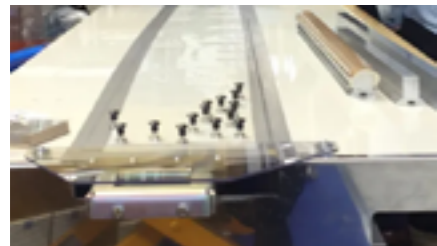
LASER LINES

Many Forsstrom customers have one or two lasers mounted on one or both sides of the machine chassis. The laser lines make it possible to position the material straight on the welding table. The laser lines are easily adjustable and are normally adjusted when changing to an electrode with a different width. The laser line can be used on all travelling Forsstrom machines and on some of the stationary machines.



KEDER- AND ZIPPER GUIDES

The guides are a modular system in 1-meter sections, just as our tables. Forsstrom keder- and zipper guide speeds up the process when welding keder and zipper by keeping the keder and zipper in a fixed and straight position during welding. Each section can be used for up to four (4) sizes in \varnothing of keder or zipper. The guide is ideal for manufacturers of for example tents and speed doors.



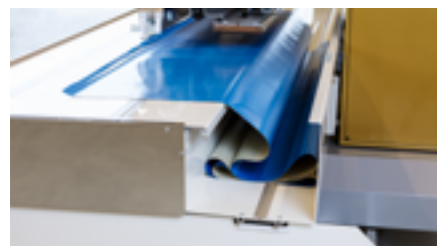
MAGNET SYSTEM

A handy way to secure the material in the required position on the welding table is using magnets, which are positioned on the material when it is put in the right position on the welding table. The magnets hold the material in place until welding is complete. Magnets are available in different strengths to suit different material thicknesses, and there are two magnets per meter table.



VACUUM SYSTEM

Forsstrom's vacuum system consists of two lines of small holes in the table plate along the entire length of the table. When air is sucked through the holes, a vacuum is created. The vacuum holds the material in the desired position on the table before, during and after welding. The vacuum system comes with a remote control. Either the entire vacuum length is used, or you can choose to use only a section of the vacuum system.



WELDING TABLES

The welding table can have a trough in the front of the table, or in the rear of the table or both. It can also be flat, without any trough. The welding table can be equipped with rollers at the edge of the table. The welding tables for our travelling machines are available in one-meter modules. If necessary, the table can be extended later (available for all tables built the year 2005 and later).



OPERATING SYSTEM

All Forsstrom's machines come with a computer developed by Forsstrom for the monitoring and control of the various welding process operations. Since 2018, all Forsstrom machines are equipped with a new operating system with a touch-screen. The new operating system can be retrofitted on Forsstrom machines manufactured after the year 2001.



CONTROL PROGRAMS

OMS (Overload Margin Supervisor) - A program that monitors welding effect and ensures that it stays within an approved interval during the welding cycle.
Welding Presets program - Enables quick change between user defined settings in Normal and Impulse modes for regular as well as supplementary welding electrodes.
EMP - The machine automatically sets parameters such as pressure, welding time and cooling time to values optimized for the material in question.



TRAVEL PROGRAMS

Length optimization program (LOP) - The program automatically calculates the optimal number of weld seams necessary to achieve a specific total weld length and all overlaps are made the same size along the entire length of the weld.
AB positioning program - the machine can automatically move from one work station to another along the welding table.
RAM (Repeat After Me) - allows the operator to program welding sequences with up to 255 configurable steps, each defining specific movements and welding actions.



DATA TRANSFER PROGRAM

The software Forsstrom iQ is specially designed for Forsstrom's customers to efficiently monitor and analyze their high frequency (HF) welding department. Through a graphical user interface, iQ users are constantly informed about the actual situation in the HF-welding department, resulting in faster reactions to problems and an increased efficiency.



COOLING

The temperature of the electrode has to be kept at a uniform and limited level. Because of this, the tool holders of Forsstrom's machines are air-cooled as a standard or oil-tempered as an option. Air-cooling is done with compressed air produced by an external compressor. Oil-tempering is a closed system in which oil circulates within the machine and the tool holder.



SERVICE KIT

To ensure optimal machine performance and minimize downtime, we offer tailored service kits with essential components for regular maintenance. Each kit is designed for your specific machine model and includes original parts to support consistent weld quality and reliable operation. Keep your production running with confidence.

SPARE PARTS

OPTIMIZE PERFORMANCE. MAXIMIZE RESULTS.

Forsstrom High Frequency offers a comprehensive range of spare parts to keep your welding machines running at peak performance. Our selection includes high-quality electrical and pneumatic components, essential consumables, extra equipment, and durable chassis parts. Each part is designed to meet our strict standards for reliability and compatibility, ensuring optimal machine performance and minimal downtime.

Whether you need routine replacements or specialized components, Forsstrom provides solutions tailored to your machine and production needs, backed by our commitment to service and quality. For a detailed overview of all available parts, consult our Spare Parts Catalog.



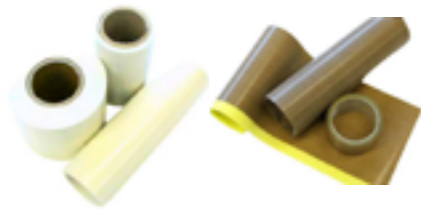
ELECTRICAL COMPONENTS

Reliable electrical parts for all machine functions, including computer parts, touch screens, switches, fuses, relays, transformers, motors, and advanced components such as transmitting tubes and thyristors.



PNEUMATIC COMPONENTS

Durable pneumatic parts including air hoses, connectors, couplings, and cylinders to ensure smooth machine operation.



CONSUMABLES

High-quality consumables such as foils, rubber, brass, filters, Melinex, polyurethane, Teflon, silicone, repair kits, and tapes for consistent welding results.



EXTRA EQUIPMENT

Enhance performance with oil tempering systems and precision lasers for improved processing and accuracy.



CHASSIS PARTS

Essential chassis parts including caterpillars, wheels, handles, cables, and selected consumables to keep machines stable and operational.

[BACK TO TABLE OF CONTENTS](#)





FORSSTROM

IM4



IP • NEW

EASY TO START - POWERFUL ENOUGH TO GROW

The Forsstrom IP Series provides a solid foundation for high-precision impulse welding, with customizable options to fit your specific production needs. Contact us to discuss your requirements.

Description	
Welding Length	3-5m
Welding Width	6-24mm

FEATURES

- 7" color touchscreen for easy operation.
- Front and rear fabric holders for material handling.
- Quick-change welder system for minimal downtime.
- Flexible welder range without transformer changes.

APPLICATION



IM • NEW

FASTEST POCKET MACHINE ON THE MARKET

All movements are automatic. Adjustments remain manual. A balanced solution for semi-automated workflows with hands-on control over welding parameters. The Forsstrom IM Series provides an advanced, flexible solution for impulse welding, combining automation with manual precision.

Description	
Welding Length	2-6m
Welding Width	6-24mm

FEATURES

- 10" color touchscreen for easy operation.
- Front and rear trays to support rolls.
- LED lighting (solid white) for better visibility.
- Automatic pocket processing with manual height adjustment (18–80 mm).
- Quick-change welder system for reduced downtime.
- Flexible welder range without transformer changes.
- Operation controlled by foot switch.

APPLICATION



IG • NEW

FULLY ELECTRIC. FULLY AUTOMATED. FULLY IN CONTROL.

Forsstrom iG is the only fully automated impulse welder developed with free table to have more flexibility. Fully electric control ensures maximum precision, repeatability, and efficiency. Built for pockets, overlaps, and complex welds – all in one machine.

Description	
Welding Length	4-12.4m
Welding Width	6-24mm

FEATURES

- 10" color touchscreen for easy operation.
- Side openings for improved access to the pocket welding area.
- Smart RGB LED lighting for enhanced visibility and status indication.
- Electrical rear stop edge for precise fabric positioning and accessory placement.
- Front automatic stop edge for overlap welding (manual adjustment).

APPLICATION





FORSSTROM



FORSSTROM

HW-W ● NEW

STATIONARY HOT-WEDGE WELDING MACHINE

The HW-W is engineered for precision and reliability, combining robust construction with advanced control technology for consistent, high-quality welds. Built for demanding production environments, it delivers seamless performance across PVC, TPU, PU, and PE foils.

Description	
Max Temperature	< 500° C
Roll Width	10-50mm

FEATURES

- Welds up to 30 m/min with consistent quality.
- Programmable memory and trace-mode for repeatable results.
- Servo-controlled for precise foil fusion.
- Siemens S7 PLC and servo drive for reliable performance.
- 10.1" Siemens HMI touch panel for easy operation.

APPLICATION



HW-WT ● NEW

TRAVELLING HOT-WEDGE WELDING MACHINE

The HW-W is engineered for precision and reliability, combining robust construction with advanced control technology for consistent, high-quality welds. Built for demanding production environments, it delivers seamless performance across PVC, TPU, PU, and PE foils.

Description	
Max Temperature	< 500° C
Roll Width	10-50mm

FEATURES

- Welds up to 30 m/min with consistent quality.
- Programmable memory and trace-mode for repeatable results.
- Servo-controlled for precise foil fusion.
- Siemens S7 PLC and servo drive for reliable performance.
- 10.1" Siemens HMI touch panel for easy operation.

APPLICATION



WEDGE SLIM



10 mm 15 mm 20 mm 30 mm 40 mm 50 mm

WEDGE SPEED+



20 mm 30 mm 40 mm 50 mm

SILICONE RUBBER



20 mm 30 mm 40 mm 50 mm

STAINLESS STEEL



20 mm 30 mm 40 mm 50 mm

GUIDES



Hem guide 40-100 mm Hem 60 mm Overlap 20/30 mm Hem 50 mm Hem 40 mm

FORSTROM



FORSTROM

IM4

FL-200



FL-200 • NEW

LIFT FOR MEDIUM FORMAT PRINT MATERIALS

Use FL-200 to avoid back injuries and to load alone media rolls to the printer effortlessly. This lifter works in quite a simple way, only by pressing the footpedal you can easily lift rolls up to 500 cm and 200 kg.

Description

Max Weight	200kg
Max Roll Length	500 cm
Max Roll Diameter	Ø 26 cm

FEATURES

- Hydraulic. Lifts pressing the footpedal.
- Lock ramps up to prevent roll from falling.
- Multi directional wheels so you can go through standard doors.
- Rear wheels have breaks to make easy to roll the media up the ramp.
- 8 cm wheels



FRH • NEW

STORE & HANDLE WIDE FORMAT ROLLS

FRH has been specifically designed for large size rolls. It is possible to use it for storage in a fixed position as well as to move it around your print shop. You can also use three FRH for heavier rolls or 5 meters-long rolls to avoid deformations.

Description

Max Weight	1200-1800kg
Max Roll Length	500 cm
Max Roll Diameter	Ø 26 cm

FEATURES

- Store and transport wide-format rolls
- Fixed position or moved around
- Three FRH for heavier or 5-meter-long rolls
- 2x FRH: up to 1200 kg load capacity
- 3x FRH: up to 1800 kg load capacity



FL-400 • NEW

LIFT FOR LARGE DIAMETER HEAVY ROLLS

FL-400 is designed for lifting and handling large-diameter, heavy rolls with ease, safety, and precision. Built for demanding environments, it combines high loading capacity with user-friendly features for smooth and secure operation.

Description

Max Weight	450kg
Max Roll Length	500 cm
Max Roll Diameter	Ø 50 cm

FEATURES

- Lifting height: 138 cm
- Wheel height: 12 cm
- Hydraulic foot pump for efficient lifting
- Nylon straps for roll security
- Heavy-duty castors with brakes
- Large support tray for big rolls
- Multi-directional wheels for maneuverability
- Rear wheel brakes



FR-600 • NEW

STORE MORE ROLLS IN LESS SPACE

FR-600 is for Ø17 cm and FR-600 Max will take rolls up to Ø25 cm. Our heavy steel construction FR has been designed with sign makers in mind as you can easily access any of the 11 rolls (up to 162 cm wide). It is mounted on heavy duty locking wheels for easy maneuver around your print shop and there is an optional vinyl and PVC cutter available.

Description

Max Weight	600kg
Max Roll Length	162 cm
Max Roll Diameter	Ø 17-25 cm

FEATURES

- Holds up to 11 rolls
- Heavy steel build designed for sign makers
- Mounted on heavy-duty locking wheels for easy movement
- Vinyl and PVC cutter available for added functionality



FORSSTROM CONSULTING & ACADEMY

OPTIMIZE PERFORMANCE. MAXIMIZE RESULTS.

Behind every successful HF welding operation stands the right knowledge, setup, and support. Forsstrom Consulting & Academy ensures your production runs at its full potential—from initial setup to long-term performance improvement.

With over 50 years of experience in high-frequency welding, we combine technical expertise, smart process design, and hands-on training to help you achieve consistent quality, higher productivity, and measurable profitability—whether you operate a single machine or a complete automated system.

FORSSTROM CONSULTING

Tailored Expertise for Every Operation

Our consulting services help you design, optimize, and elevate your production process. We work alongside your team to ensure your investment delivers maximum performance.

Key Focus Areas

- **Machine and Accessory Selection:** Vacuum, magnets, laser lines, and automation solutions.
- **Welding Parameters and Material:** Different welding techniques.
- **Digital Integration:** Connect with iQ for data-driven decisions and remote support.

Result: Shorter setup times, consistent weld quality, and greater output stability.

FORSSTROM ACADEMY

Knowledge That Drives Performance

Empower your operators and maintenance teams with the skills and confidence to deliver consistent quality. Training can be conducted at Forsstrom's HF Demo Centre, on-site, or online—tailored to your machines and production setup.

Training Packages

- **Operator Basic** – Core HF principles and safe operation
- **Operator Advanced** – Fine-tuning parameters and troubleshooting
- **Maintenance Basic** – Routine checks and preventive care
- **Maintenance Advanced** – Deep diagnostics and system optimization

Result: Confident teams, reduced downtime, and sustainable production quality.

YOUR COMPLETE PARTNER IN FABRIC WELDING

From consulting and digital solutions to hands-on training, Forsstrom provides everything you need to achieve world-class welding performance—reliably, efficiently, and profitably.

Forsstrom. Where expertise meets innovation.



OUR COMMITMENT


Forsstrom High Frequency AB develops, manufactures and sells machines for welding PVC and PU material with HF.

Since the 70's, we have perfected and developed high frequency (HF) technology to meet our customers' specific requirements. Our product range is very wide, with machines suitable for a variety of end products in many different market segments.

For over 50 years we have been innovating for manufacturers – to make life easier, better, and safer. We are determined to lead the way towards a sustainable manufacturing industry.

We are equally determined for our customers to be successful and stay in the forefront. By working together, we can provide innovative solutions that add value over time.





Forsstrom Headquarters

Datavägen 3
SE-453 38 Lysekil
Sweden
www.forsstrom.com

Sales

Phone: +46-523 66 66 00
Email: sales@forsstrom.com

General contact

Email: info@forsstrom.com

All information in this brochure is intended for general informational purposes only. Forsstrom High Frequency AB reserves the right to modify technical specifications, design, and features without prior notice. Images and features shown may include optional or customized solutions that are not part of the standard equipment.

The technical values provided, such as power, working speed, and dimensions, are based on internal testing under optimal conditions and may vary depending on usage, materials, and environment. Forsstrom accepts no liability for any direct or indirect damages arising from the use of the information in this brochure.

All text, images, and technical descriptions are protected by copyright and may not be reproduced, distributed, or used without written permission from Forsstrom High Frequency AB.



GET IN TOUCH TO LEARN MORE.