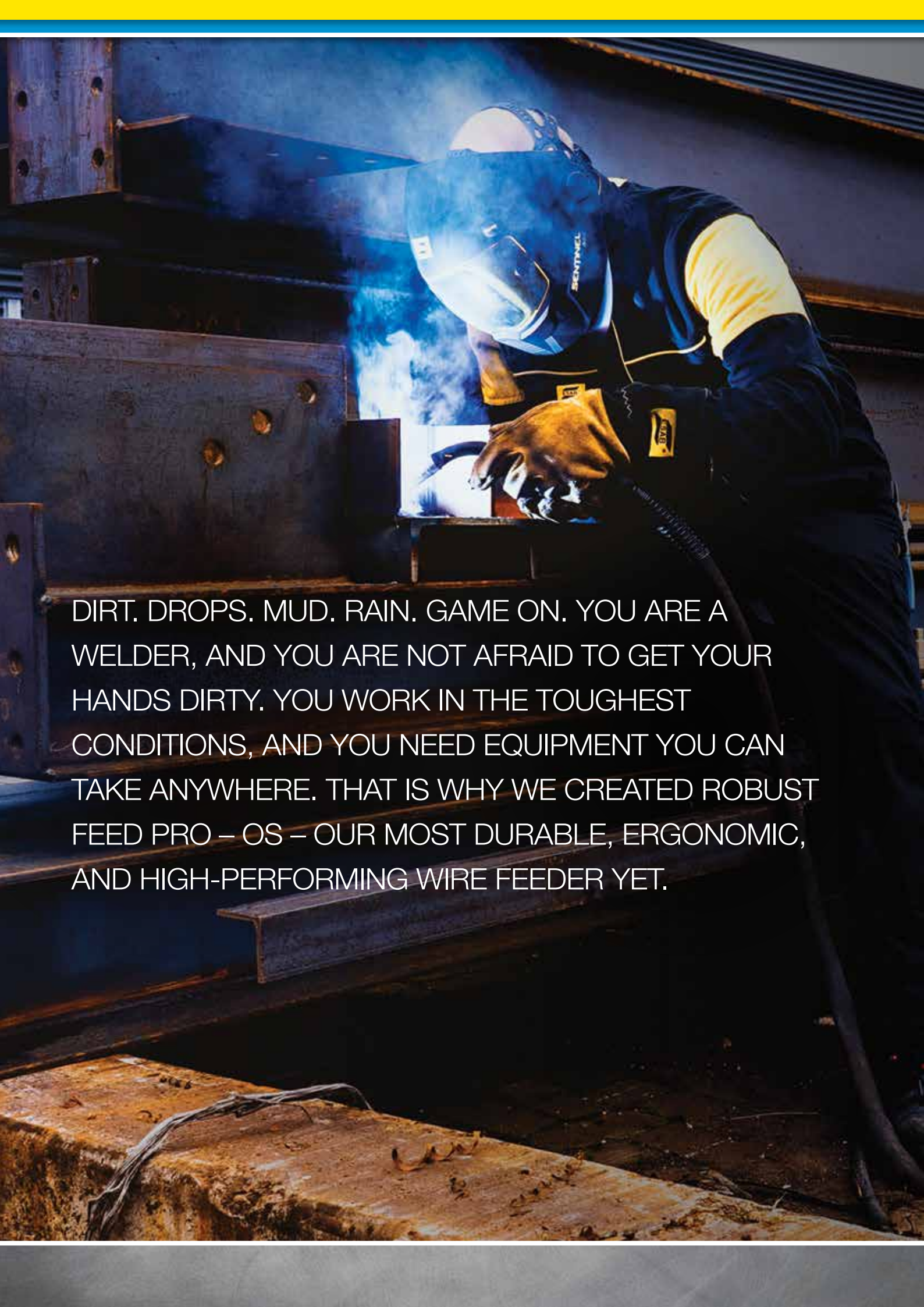# ESAB ®

FIERCELY TESTED.
JOBSITE READY.

ROBUST FEED

DIRT. DROPS. MUD. RAIN. GAME ON. YOU ARE A WELDER, AND YOU ARE NOT AFRAID TO GET YOUR HANDS DIRTY. YOU WORK IN THE TOUGHEST CONDITIONS, AND YOU NEED EQUIPMENT YOU CAN TAKE ANYWHERE. THAT IS WHY WE CREATED ROBUST FEED PRO – OS – OUR MOST DURABLE, ERGONOMIC, AND HIGH-PERFORMING WIRE FEEDER YET.

ULTIMATE DURABILITY INSIDE AND OUT.

EXTERNAL PROTECTION.

Impact-proof – Robust Feed Pro's double-walled design with special impact zones is perfect for enduring daily use in tough conditions. Drop it, drag it, throw it around – Robust Feed Pro can take it. Low friction, high durability wear surface – enables pulling the unit by the torch.

Weather-proof – Extreme elements are no problem for the Robust Feed Pro. Seals around doors and panels make it safe to stand the feeder vertical or lay it horizontal on wet ground. It works in freezing cold temperatures, and it is the only portable wire feeder with an IP44 rating for superior protection against dirt, mud, splashes, and even heavy rain.

Sun-proof – Robust Feed Pro will keep working in temperatures up to 55°C, and its bright front display is readable in even the sunniest conditions.

INTERNAL PROTECTION.

Shielded connections – Dual door design with access to wire on one side, while containing and protecting cable attachments on the other side offers Superior protection for the interconnection cable and all connectors inside the housing. Strong cable strain relief solution – allows lifting and dragging of the unit while protecting cables from being pulled from their connection points.

Shielded electronics – A dust-protected compartment protects the internal components even while the feeder is open, and special cable connections protect the feeder against short circuits in both the torch and the interconnection cables.

Fan-cooled – Fan Cooled gearbox with temperature sensor and warning shut off thresholds.

SPARE PARTS STORAGE.

Smart Storage - Convenient storage of spare parts has been integrated internally within the Robust Feed's door. This clever cavity design allows you to always keep spare parts secure and on hand.

The compartment stores the following:

4 x Feed rolls

4 x contact tips

1 x inlet guide

1 x intermediate guide

INTEGRATED GAS FLOW METER.

The Robust Feed Pro-OS comes with an integrated gas flow meter, allowing for quick gas flow adjustments and reducing gas costs and usage on short runs.

This meter regulates the flow straight out of the torch and removes gas surge completely while also giving the welder ability to tweak flow from the feeder without having to return to the cylinder

This works well with manifolds when many welders are working off 1 cylinder. Regulates each machine to reduce gas wastage and ensure gas flow can be customised to each welder.

HEATING ELEMENT.

The Robust Feed Pro-OS has a heating element that is ideal for humid climates (or extreme cold) by reducing reduce wire wastage, from moisture damage that can occur after 2-3 days of exposure to high humidity.

The internal element heats to 60degrees –removing any moisture from the feeder compartment making it great for Flux-Cored Wire by keeping the ingress of moisture out of the flux.

RUGGED AND READY FOR ANYTHING.

UNRIVALLED PORTABILITY.

Robust Feed Pro – OS has three comfortable handles (crane certified to 40kg) and two additional lifting points for best-in-class portability and maneuverability, making it easy to lift and carry through confined spaces. Rounded edges and special high-durability wear surfaces let you drag it anywhere without catching on other objects. The optional flat and vertical wheel kits and trolley integration allow for even greater mobility. The Robust Feed Pro can handle power source cables up to 90 metres long, so you will always get to where you need to weld.

MULTIFUNCTIONAL POSITIONING –90 DEGREE ROTATABLE DISPLAY SCREEN.

Suspended – Hang from the ceiling or from crane.

Vertical Position – Place on a trolley, directly on the floor or use the wheel kit (The guided track along base makes the unit easy to lift on to a trolley).

Horizontal Position – Rest directly on the floor or using the wheel kit. The horizontal position is ideal for working beneath trailers / frames / fixtures and gives stability when being pulled by the torch, or moved by foot.

The optional drop-proof wheel kit has high quality ball bearing wheels and versatile fittings for both vertical and horizontal use.

UNMATCHED PERFORMANCE.

The new precisely crafted aluminium 4 roll drive system has easy-to-identify colour coded rollers (38mm) and reliable wire feeding with thin/soft and thick/stiff wires without deformation –even through long torches, worn or dirty liners and torches with loops in it.

It will feed solid wire up to 2.0 mm and cored up to 2.4mm at speeds of 0.8–25.0m/min. (validated with 7.6m Torches) When changing the spool, you can even feed the new wire without opening the drive stand.

When it comes to power, Robust Feed Pro–OS easily handles 550A at 50% duty cycle, 500A at 60% duty cycle, and 400A at 100%, enabling productivity that few other portable feeders can.

UNBEATABLE USABILITY.

User friendly LED lighting –
The Robust Feed allows excellent visibility in dark environments with back-lit symbols on the front control panel and two LED's fitted internally. One LED is positioned above the drive system and the other above the Spool. There is also a clear window on the feeder door to view the wire when the door is closed but the light is on.

Streamlined display –
Robust Feed Pro – OS's clear and bright front panel display contains only the most important settings, keeping the other settings well protected inside the housing.

Easy-to-use controls –
Large, distinct knobs and push buttons make it easy to operate the unit – even while wearing thick welding gloves.

Integrated gas flow –
The Robust Feed Pro-OS comes with an integrated gas flow meter inside the unit, allowing for quick gas flow adjustments.

Onboard settings –
Seamlessly control all weld settings right from the wire feeder, no matter where your power source is located.

USB - A short-circuit proof USB is also used for software updates, error logs and mobile phone charging.

Maintenance-friendly –
Robust Feed Pro – OS's design allows for quick access to the electronics and motor for easy service and repair, and the tool-less wire feeding system makes spool changeouts quick and wire setup simple.

A short-circuit proof USB is also used for software updates, error logs and mobile phone charging.

Flexible performance – Works in both vertical and horizontal alignment with the ability to rotate the display 90 degrees to adjust your viewing angle. The horizontal wheel kit gives the feeder a low, stable profile.

UPGRADE TO THE PROVEN POWER OF ROBUST FEED PRO – OS.

ROBUST FEED PRO-OS & WARRIOR POWERSOURCES.

The most durable and reliable combination for heavy-duty MIG/MAG welding with Stick (MMA), TIG (GTAW), and gouging capabilities.

SUITABLE INDUSTRIES.

Shipbuilding // Marine and offshore // Civil construction Steel erectors // Structural steel fabrication // Industrial and general fabrication // Trucks, trailers, railcars, and heavy equipment // Hardfacing and cladding // Repair and maintenance // Mining // Pipeline // Pressure vessels

PLANT WARRIOR 400I CC/CV, 380-415V AIR WITH ROBUST FEED PRO – OS	W1009750
Warrior 400i CC/CV Power Source	0465 350 886
Robust Feed Pro – OS, Water EURO	0445 800 883
Trolley Warrior	0465 510 880
Robust Feed Trolley Retrofit Kit	0349 313 100
Interconnection Lead 70mm2, Air Cooled, 10m	0459 836 882
Interconnection Strain Relief Kit	0446 050 880
Tweco No.4 with Euro Connection, 4.5m	OTWX415/3545
REG CMT 250 ARG 55LPM 2 Gauge	201017
KIT CONN 5/8UNRH-5MM HO	308689

PLANT WARRIOR 500I CC/CV, 380-415V AIR WITH ROBUST FEED PRO – OS	W1009760
WARRIOR 500i CC/CV CE 3	0465 350 885
Robust Feed Pro – OS, Water EURO	0445 800 883
Trolley Warrior	0465 510 880
Robust Feed Trolley Retrofit Kit	0349 313 100
Interconnection Lead 70mm2, Air Cooled, 10m	0459 836 882
Interconnection Strain Relief Kit	0446 050 880
Tweco No.4 with Euro Connection, 4.5m	OTWX415/3545
REG CMT 250 ARG 55LPM 2 Gauge	201017
KIT CONN 5/8UNRH-5MM HO	308689

ROBUST FEED PRO – OS

SPECIFICATIONS

Input Voltage	42 VAC
Welding Output	550 A @ 50% 500 A @ 60% 400 A @ 100%

Wire Dimensions
  Mild Steel
  Stainless Steel
  Cored Wire
  Aluminium
	0.6 –2.0 mm (.023"-5/64")
	0.6 –1.6 mm (.023"-1/16")
	0.9 –2.4 mm (.035"-3/32")
	0.9 –1.6 mm (.035"-1/16")

Wire Feed Speed	0.8 –25.0 m/min
Wire Spool Capacity	20 kg
Spool	200mm & 300mm Spools & Marathon Pak integration available
Operating Temperatures	-20°C to +55°C
Protection Class	IP44 rated, 360 degree splash proof (1mm wire)
Certification Mark (standards)	CE
Dimensions (L x W x H) incl. top handle	595 mm x 250 mm x 430 mm
Weight	16.8 kg
Control / Functions	• 2T/4T Switch • Crater Fill : 0-5 seconds • Creep start ON/OFF Switch • Solid Wire (SCT) / Cored Wire Switch (Burnback) • Gas Flow meter control knob

ORDERING INFORMATION

Robust Feed Pro – OS, Water EURO (incl. gas flow meter+heater)	0445 800 883

OPTIONS AND ACCESSORIES

Robust Feed Wheel Kit	0446 081 880
Interconnection Strain Relief Kit**	0446 050 880
Torch Strain Relief	0446 082 880
Trolley Warrior	0465 510 880
Trolley Retrofit Kit to suit Warrior Trolley (0465510880)	0349 313 100
Trolley (Robust Feed/Warrior Feed)	0349 313 450
Guide Pin Extension Kit***	0465 508 880
Quick Connector Marathon Pac™	F102440880
Cool 2, Water cooler#	0465 427 880

NOTE: All accessories are available, but may not be stocked items.

**To upgrade existing Warrior interconnection cable sets to fit with Robust Feed

***Guide Pin Extension Kit required when Wheel Kit is used in combination with Trolley

To be used for Water Cooled Setup and also refer to Water-Cooled Torches

Get the feeder that keeps on feeding. Contact your ESAB distributor to order a Robust Feed Pro – OS package today, and visit esab.com/robust to learn more.

GAS-COOLED TORCHES

Tweco No.4 with Euro Connection, 3.6m	OTWX412/3545
Tweco No.4 with Euro Connection, 4.5m	OTWX415/3545
Tweco Supra XT with Euro Connection, 4m	SE400X4M16
PSF 315, with Euro Connection, 3m	0700 025 030
PSF 315, with Euro Connection, 4m	0700 025 031
PSF 315, with Euro Connection, 5m	0700 025 032
PSF 415, with Euro Connection, 3m	0700 025 040
PSF 415, with Euro Connection, 4m	0700 025 041
PSF 415, with Euro Connection, 5m	0700 025 042
PSF 515, with Euro Connection, 3m	0700 025 050
PSF 515, with Euro Connection, 4m	0700 025 051
PSF 515, with Euro Connection, 5m	0700 025 052

INTER CONNECTION CABLES

Air cooled 70 mm2

Connection cable 2m	0459 836 880
Connection cable 5m	0459 836 881
Connection cable 10m	0459 836 882
Connection cable 15m	0459 836 883
Connection cable 25m	0459 836 884

Water cooled 70 mm2

Connection cable 2m	0459 836 890
Connection cable 5m	0459 836 891
Connection cable 10m	0459 836 892
Connection cable 15m	0459 836 893
Connection cable 25m	0459 836 894

NOTE: All interconnection cables are available, but may not be stocked items.
NOTE: RobustFeed Interconnection Strain Relief is recommended (0446050880)

WATER-COOLED TORCHES

PSF 420W, with Euro Connection, 3m	0700 025 060
PSF 420W, with Euro Connection, 4m	0700 025 061
PSF 420W, with Euro Connection, 5m	0700 025 062
PSF 520W, with Euro Connection, 3m	0700 025 070
PSF 520W, with Euro Connection, 4m	0700 025 071
PSF 520W, with Euro Connection, 5m	0700 025 072

NOTE: All accessories are available, but may not be stocked items.

WEAR PARTS

Feed Roller V Groove for Fe/SS/C 0.8-0.9/1.0 mm	0445 850 002
Feed Roller V Groove for Fe/SS/C 0.9/1.0-1.2 mm (fitted)*	0445 850 004
Feed Roller V Groove for Fe/SS/C 1.4-1.6 mm	0445 850 006
Feed Roller V-K Groove for C 0.9/1.0-1.2 mm	0445 850 030
Feed Roller V-K Groove for C 1.6-1.6 mm	0445 850 033
Feed Roller V-K Groove for C 2.4-2.4 mm	0445 850 036
Feed Roller U Groove for Al 1.0-1.2mm	0445 850 051
Inlet Wire Guide Ø 2 mm for Fe/SS/Al/C 0.6-1.6mm*	0445 822 001
Inlet Wire Guide Ø 3 mm for Fe/C 1.8-2.4 mm	0445 822 002
Middle Wire Guide for Fe/SS/C 0.6-1.6 mm*	0446 080 882
Middle Wire Guide for Fe/C 1.8-2.4 mm	0446 080 883
Middle Wire Guide for Al 0.8-1.6 mm	0446 080 881
Outlet Wire Guide for Fe/SS/C 0.6-1.6 mm*	0445 830 881
Outlet Wire Guide for Fe/C 1.8-2.4 mm	0445 830 882
Outlet Wire Guide for Al 0.8-1.6 mm	0445 830 885

Fe = Mild Steel; SS = Stainless Steel, Al = Aluminum, C = Cored Wire

*Comes Fitted with Robust Feed PRO - OS

NOTE: All above wear parts are stocked items, but there are other feedroll types and sizes available.

For complete list of wear and spare parts please see operating manual.

UNRIVALLED SERVICE AND SUPPORT.

Robust Feed Pro – OS, like every ESAB machine, is backed by our commitment to superior customer service and support. Our skilled customer service department is prepared to quickly answer any questions, address problems, and help with maintenance and upgrading of machines.

For more information on Robust Feed Pro – OS, visit esab.com/robust.

3-YEAR WARRANTY.

ESAB's industry-leading service and support means that if customers do need help, they will be protected by the most comprehensive warranty in the business.

THE MACHINES AND METALS YOU NEED.

When choosing a top-performing wire feed unit, you should also choose top-performing ESAB welding machines and filler metals to maximise your investment. Learn more by visiting esab.com.

ESAB

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