

**photon**  
FLEX

# CNC Fiber Laser Cutter

Compact, Precision Laser Cutting

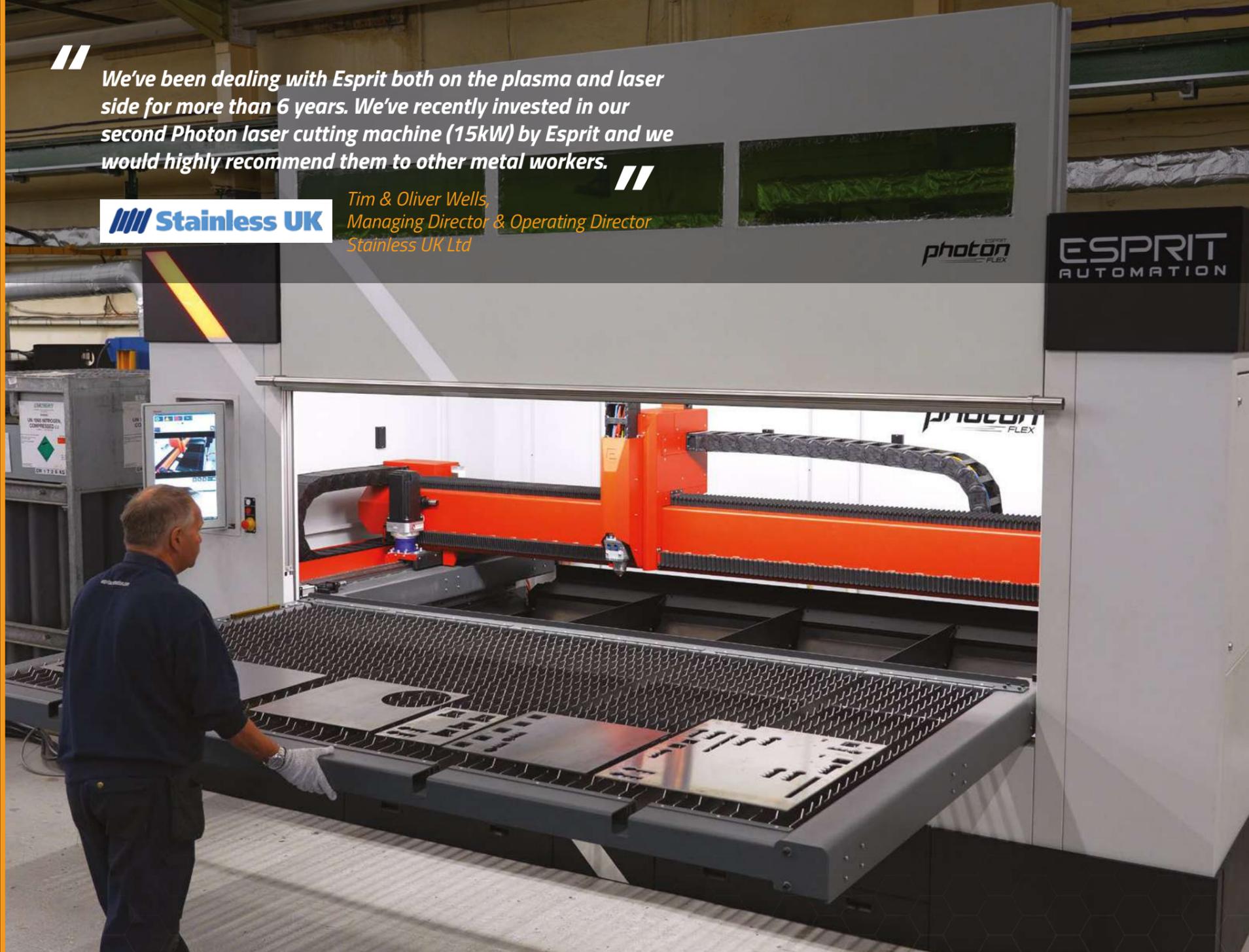


**ESPRIT**  
AUTOMATION

“ We’ve been dealing with Esprit both on the plasma and laser side for more than 6 years. We’ve recently invested in our second Photon laser cutting machine (15kW) by Esprit and we would highly recommend them to other metal workers. ”

**Stainless UK**

*Tim & Oliver Wells,  
Managing Director & Operating Director  
Stainless UK Ltd*



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## Compact

If you’re searching for an industrial Laser Cutting Machine with a small footprint the Photon FLEX is the perfect choice.

Measuring just 4.8m x 2.8m, the Photon FLEX gets you more out of your square footage, while cutting standard 3m x 1.5m sheets.

## Affordable High Precision

Equipped with automated features like a smart anti-collision system, the Photon FLEX is designed to boost productivity while maintaining an affordable pricing model.

## So Easy

Operating a machine needs to be easy. We made this fiber laser cutting machine so user-friendly that it could be operated by literally anyone.

Esprit created LiveNest®, LiveControl®, and LiveGuard®, revolutionary pieces of CNC software that allow anyone to be productive at the machine with a minimum of training.

## Best of British

The Photon FLEX is **designed** by our team of expert British engineers and **manufactured** in our Nottingham facility. Most importantly, the Photon FLEX comes with a large team of local **service engineers** with an abundance of spare parts on the shelves.



**ESPRIT**  
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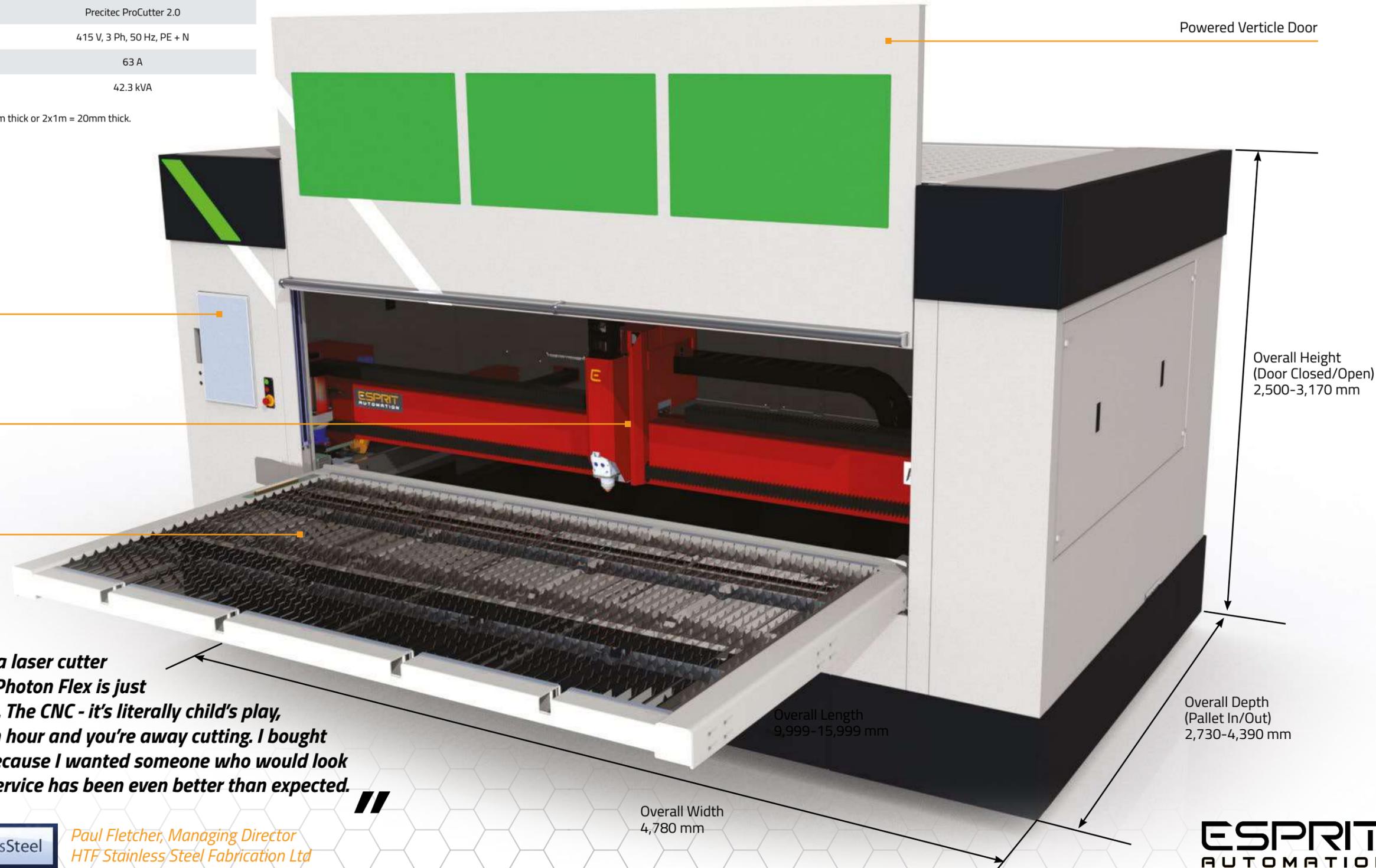


# CNC Fiber Laser Cutter

Photon Flex	
Nominal Sheet Size	3,000 x 1,500 mm
Workpiece Height	935 mm
Max. Workpiece Weight	600 kg*
Max. X-Y Vector Speed	140 m/min
Cutting Head	Precitec ProCutter 2.0
Input Voltage	415 V, 3 Ph, 50 Hz, PE + N
Input Current (incl. 4 kW laser)	63 A
Input Power	42.3 kVA

\* Max Sheet Size/Load – 3x1.5m = 15mm thick or 2x1m = 20mm thick.

Max Cutting Thickness (mm) vs Power (kW)	Mild Steel	Stainless Steel / Aluminium	Copper	Brass
2kW	15	8	4	4
3kW	20	12	6	6
4kW	20	15	8	8



**“ You couldn't make a laser cutter that compact. The Photon Flex is just a brilliant machine. The CNC - it's literally child's play, it takes you half an hour and you're away cutting. I bought local and British because I wanted someone who would look after me. Esprit's service has been even better than expected. ”**



*Paul Fletcher, Managing Director  
HTF Stainless Steel Fabrication Ltd*



## Embedded Nesting

With **LiveControl**® you can cut any single item from a historic job directly at the CNC, even on a piece of scrap. No more running back to the office to get a new file drawn up for you...

LIVE▶CONTROL

## Advanced Vision

See any nest visually projected on your plate before cutting to verify optimal nesting thanks to Esprit's **LiveNest**®. The system can recognise the plate and auto position any nest with a single touch.

LIVE▶NEST

## Augmented Reality

Avoid collisions, thanks to **LiveGuard**®. During cutting, the system will protect the cutting head with an automatic collision stop function.

LIVE▶GUARD

## Low Operating Costs

Thanks to Esprit's **LiveRegen**® technology, the Photon Flex is very economical and every Watt is optimally used. Smart power regeneration saves energy during machine deceleration to reuse during acceleration.

LIVE▶REGEN



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## Procut CAD/CAM

Pair your Photon FLEX with Esprit's Procut to benefit from the **full potential** of this laser cutting machine. Our CAD/CAM software solution is known for its user-friendliness and flexibility.

PROCUT

## IRIS Industry 4.0

Thanks to Esprit's Intelligent Real-time Information Service (IRIS) you can monitor your Photon Flex fiber laser cutter in real-time from any computer, tablet or phone **anywhere, any time.**



IRIS

## Tailored Finance

Esprit Automation provides you with **transparent financing solutions** so you can assess how you can best take advantage of your investment.



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