

Machinery Quotation

Prepared by Mr Dean Summerhayes

Email: deansummerhayes@engeleuropa.com

I-Fold Autofold Compact Duct line



Address | Engel Europa International Ltd
19c Dorehouse Industrial Estate
Sheffield S13 9NP
United Kingdom

Tel | 0114 275 5433
Fax | 0114 278 6797

Email | sales@engeleuropa.com
Web | www.engeleuropa.com



www.engeleuropa.com

The Autofold 516 I-Fold Automated Ducting Machine, manufactured by Engel Europa, is a state-of-the-art duct coil line that combines high functionality with a compact design, making it an ideal choice for maximizing factory floor space.

Key features and capabilities of the Autofold 516 I-Fold include:

1. Versatile Coil Handling: With the ability to accommodate coil widths up to 1500mm and a maximum coil thickness of 1.6mm (1mm for stainless steel), this machine can handle a wide range of coil sizes, providing flexibility in duct manufacturing.

2. Duct Size Options: The I-Fold can effortlessly produce ducts of various sizes, starting from a minimum of 120mmx120mm, ensuring compatibility with different project requirements.

3. Duct Configurations: This machine is capable of manufacturing fully wrapped ducts, as well as "L" shape, "U" shape, and flat sheet ducts, with or without beading applied. It offers comprehensive options for meeting diverse ducting needs.

4. Hydraulic System and Controller: Powered by the reliable Bosch Rexroth hydraulic system, the I-Fold is equipped with a dedicated controller specifically designed for Autofold machines. The machine-mounted touch screen controller features user-friendly software, enabling easy operation and efficient control of the manufacturing process.

5. Software Capabilities: The integrated software not only facilitates smooth machine operation but also includes built-in machine monitoring features. Additionally, it can read Autodesk Plasma software as standard if required, allowing seamless integration with design software via USB.

Address | Engel Europa International Ltd
19c Dorehouse Industrial Estate
Sheffield S13 9NP
United Kingdom

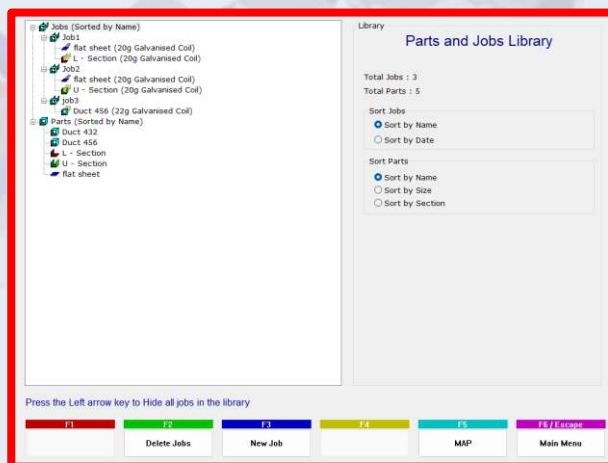
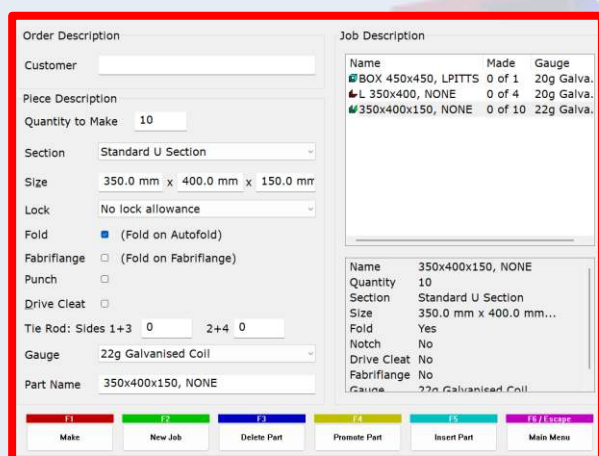
Tel | 0114 275 5433
Fax | 0114 278 6797

Email | sales@engeleuropa.com
Web | www.engeleuropa.com



1. Efficient Duct Production: The machine offers quick duct input through a shortcut function, allowing for rapid setup and production. Programmable jobs can also be saved for later manufacturing, streamlining workflow and increasing productivity. On average, the I-Fold can manufacture a duct in approximately 20 seconds, though actual speed may vary depending on the duct size.

2. Coil Holder Capacity: The machine comes with one "A" frame coil holder as standard, but additional coil holders can be easily added at any time. Each coil holder can accommodate coils weighing up to 5 tonnes, with a maximum width of 1550mm, ensuring efficient coil handling and uninterrupted production.

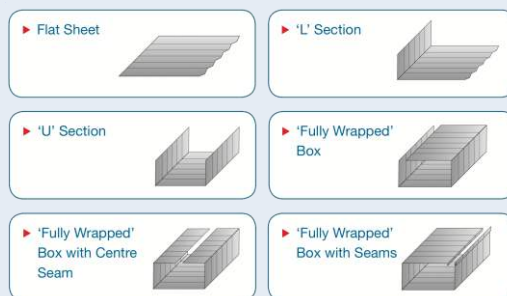


Manufacturing sections on all I-Folds

Notching

Extra coils on "A" frames or "I" beams

Hydraulic Power coil drive "I" beams only

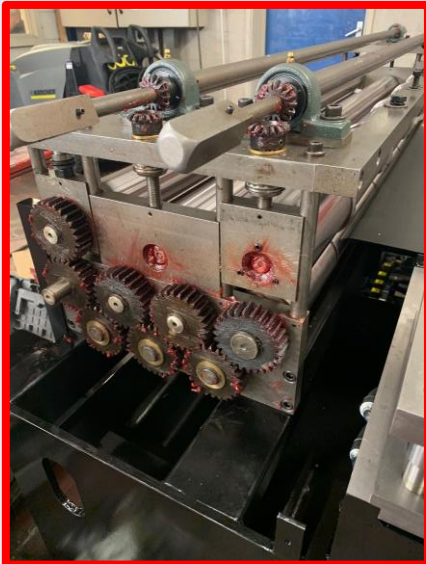


Address | Engle Europa International Ltd
19c Dorehouse Industrial Estate
Sheffield S13 9NP
United Kingdom

Tel | 0114 275 5433
Fax | 0114 278 6797

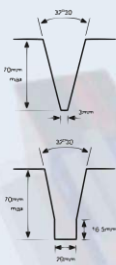
Email | sales@engeleuropa.com
Web | www.engeleuropa.com



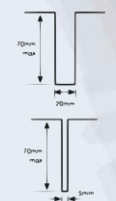


7 Station Leveller inc beading levelling and drive rolls.
 All rolls are solid and machined then ground for a perfect finish .

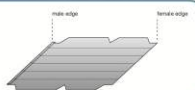
Notching Option 1



Notching Option 2



► 'L' Section
 Notch Pattern



► 'U' Section
 Notch Pattern



► 'Fully Wrapped'
 Notch Pattern



Optional Notching can be added for Notching the corners for flange types like TDF and drive cleat.



Address | Engel Europa International Ltd
 19c Dorehouse Industrial Estate
 Sheffield S13 9NP
 United Kingdom

Tel | 0114 275 5433
Fax | 0114 278 6797

Email | sales@engeleuropa.com
Web | www.engeleuropa.com



www.engeleuropa.com

Options continued side eject

The Ifold can be ordered with a side eject female Pittsburgh seam
The male is folded on all I-Folds

Small medium or large can be chosen as a seam also it can be built left feed or right depending on factory flow

Machines can have the "I beam type shown below or "A" frame type as a no cost option



Address | Engel Europa International Ltd
19c Dorehouse Industrial Estate
Sheffield S13 9NP
United Kingdom

Tel | 0114 275 5433
Fax | 0114 278 6797

Email | sales@engeleuropa.com
Web | www.engeleuropa.com



www.engeleuropa.com

Prices and Specifications

Ifold Price includes one coil

Options

Extra coils On "A" frames or "I" beams
Notching Hydraulically operated
Hydraulic power coil feed
Side eject ifold pitts only
Machine weight 2400 kgs
All hydraulic supply
Power supply 208-480 multi tap transformer
3 phase 25 amp supply required (no air)

Maximum duct size – not restricted
Minimum duct size -120mmx120mm

Maximum gauge 1.6mm (1mm stainless steel)
Minimum gauge 0.5mm

Oil type -ISO 46

Blade specification –high carbon high chrome 4 cutting sides top/bottom

Warranty

1 year warranty on parts and labor

Address | Engel Europa International Ltd
19c Dorehouse Industrial Estate
Sheffield S13 9NP
United Kingdom

Tel | 0114 275 5433
Fax | 0114 278 6797

Email | sales@engeleuropa.com
Web | www.engeleuropa.com

