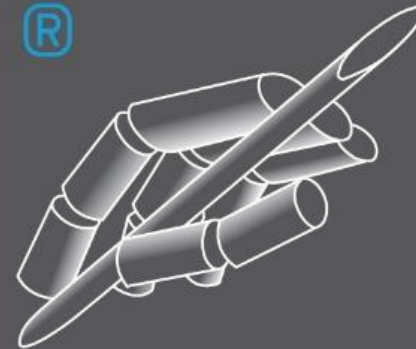


# PRODUTECH

TECNOLOGIE PER LA PRODUZIONE

®



**YOUR PARTNER IN PROGRESS**

**25 years of experience on the world  
metal processing market**



# ALPI - PUNCHING MACHINE







# ISEO - LASER MACHINE



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# EffiCOIL – COMBINED LINE



EFFICOIL Project has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement No 783598





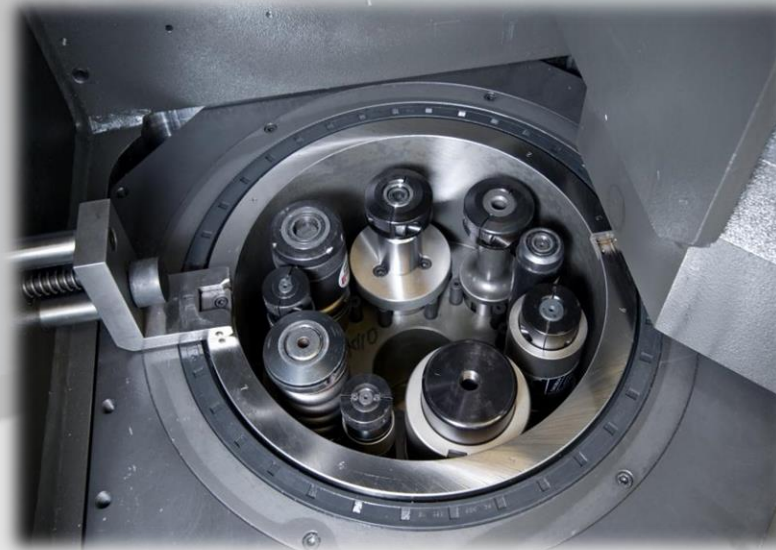
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EFFICOIL Project has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement No 783598

# EffiCOIL – COMBINED LINE

**EffiCOIL = COIL FEEDING + ELECTRIC PUNCHING +  
FIBER LASER CUTTING**





# EffiCOIL – COMBINED LINE

**EffiCOIL** is a high-efficiency solution for metal cutting and forming. In particular, this line is highly innovative and unique on the market, since it joins:

- Laser cutting with efficient and high-quality fiber
- The most advanced technology for metal-sheet electric punching, with electric drive – already patented by *Produtech*
- Coil feeding
- Scraps unloading and products stacking with automatic cycle



# EffiCOIL vs Substitute products:



## EffiCOIL

- 1) CUTTING LINE
- 2) AUTOMATIC MACHINES FOR LOADING SHEETS
- 3) PUNCHING MACHINE
- 4) LASER CUTTING MACHINE
- 5) COMPLICATED SYSTEM FOR WORKPARTS UNLOADING





# EffiCOIL – COMBINED LINE



## FUNDING

Project financed by the EC, through Horizon 2020



## MARKET OPPORTUNITY

Solution already requested by customers all over the world



## HIGH-TECHNOLOGY INNOVATION

**52%** energy savings, **30%** raw material savings,  
**40%** reduction in production time





# EffiCOIL ADVANTAGES



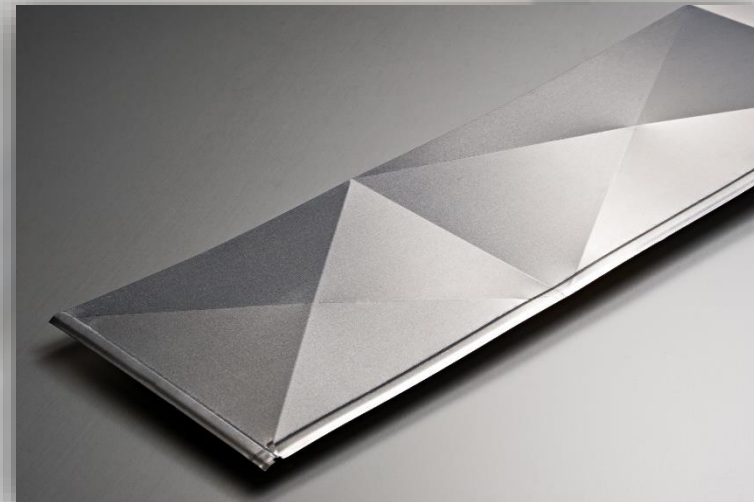
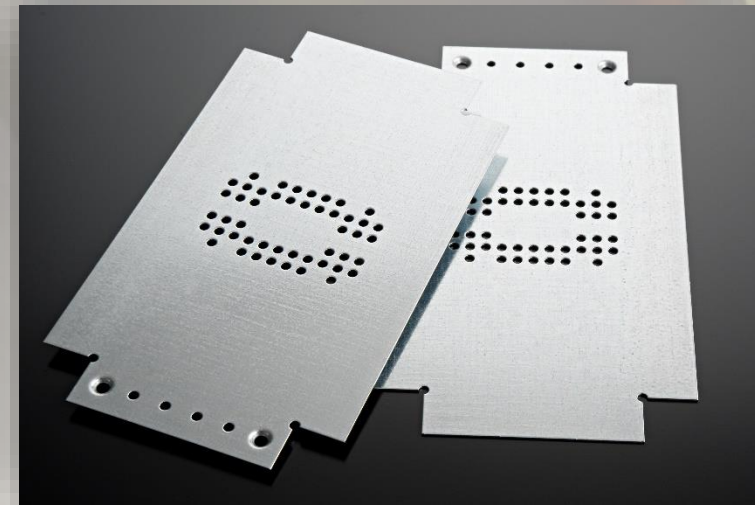
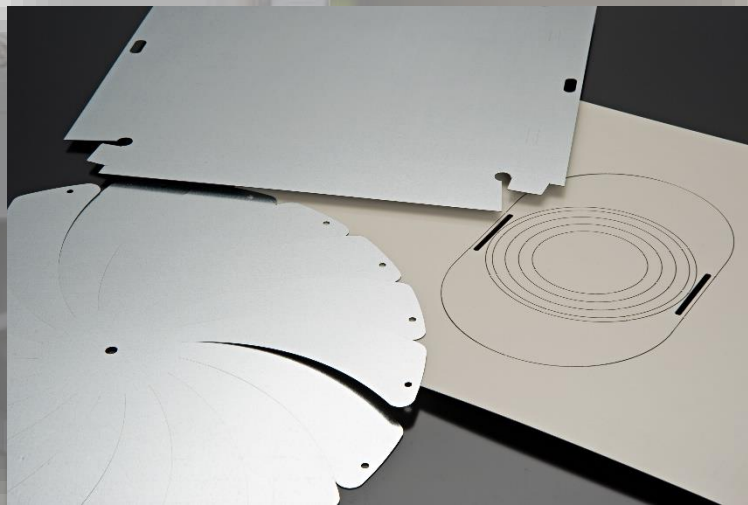
## ADVANTAGES

1) <b>52%</b> energy savings	<b>5.9kW</b> competitors' average Vs <b>2.85kW</b> EffiCOIL power consumption
2) <b>30%</b> raw material savings	<b>810m<sup>3</sup></b> Vs <b>567m<sup>3</sup></b> for 500k workparts
3) <b>40%</b> reduction in process time	<b>80s</b> /workpart competitors' average Vs <b>50s</b> /workpart for EffiCOIL
4) <b>~60%</b> reduction in wearable components and <b>~40%</b> reduction in failure risks	No mechanical transmissions
5) <b>36%</b> reduction in occupied space	<b>22.5m<sup>2</sup></b> per EffiCOIL unit Vs <b>35m<sup>2</sup></b> average competitors' surface occupancy
6) <b>70%</b> reduction in manpower	<b>6.5h/day</b> Vs <b>2h/day</b> for EffiCOIL
7) Maximal customization of final products	Higher flexibility: alternating laser cutting and punching with rotating tools (indexed)

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# SAMPLES OF PRODUCTION



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# THANK YOU!