

ISKRAEMECO + — Energy Measurement and Management

Profit centre:

- ▶ Electronic meter
- ▶ Induction meter
- ▶ Constituent parts
- ▶ Laboratory
- ▶ Engineering

Iskraemeco ranks among the world manufacturers of devices and systems for electric energy measurement, registration and billing. We have successfully united experiences with innovations and new technologies, and satisfied different needs in the field of electric energy management and billing for six decades.



Profit centre – **Constituent parts**

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Profit centre – **Constituent parts**

Activities

Products design

Tools design and tool shop

Punching

Manufacturing connection terminals

Injection moulding of thermosets and thermoplastic material

Surface protection and heat treatment

Dimension measurements

Certificate **ISO 9001:2000** (1992)- TÜV

Certificate **ISO14001:2004** (1999)- TÜV

Certificate **OHSAS 18001** (2005)- TÜV

Laboratory, 54 porcesses accredited



**SLOVENSKA
AKREDITACIJA**

Profit centre – **Constituent parts**

Products design

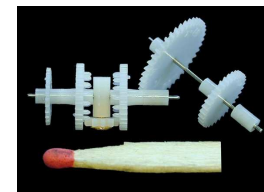
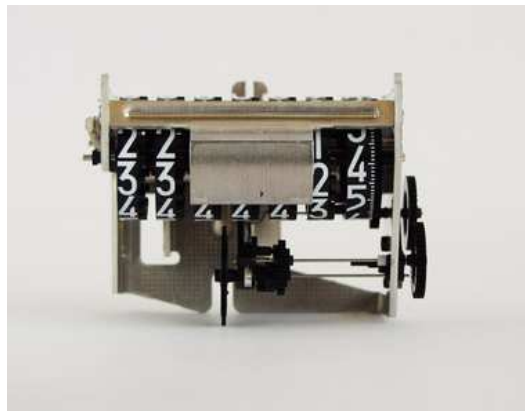
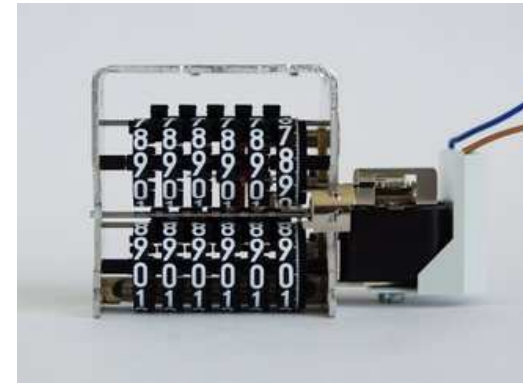
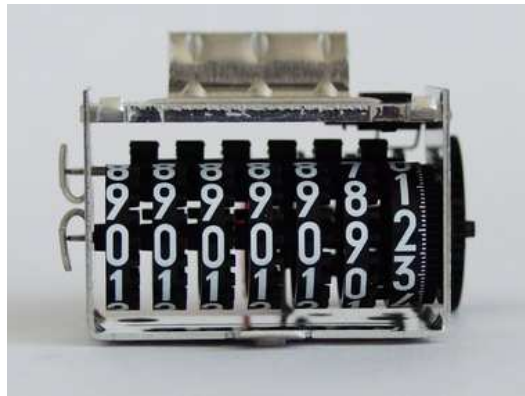
Electronic meters and devices, cases 



Profit centre – **Constituent parts**

Products design

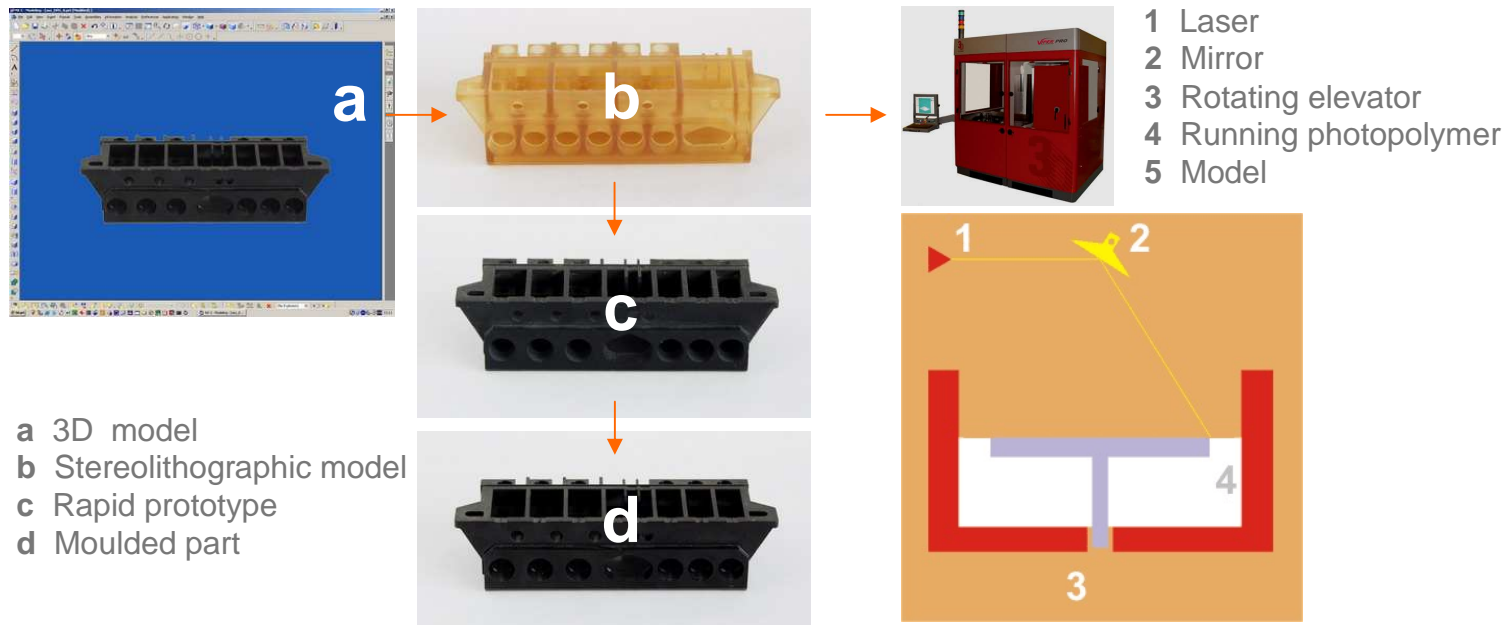
Register mechanisms 



Profit centre – **Constituent parts**

Products design

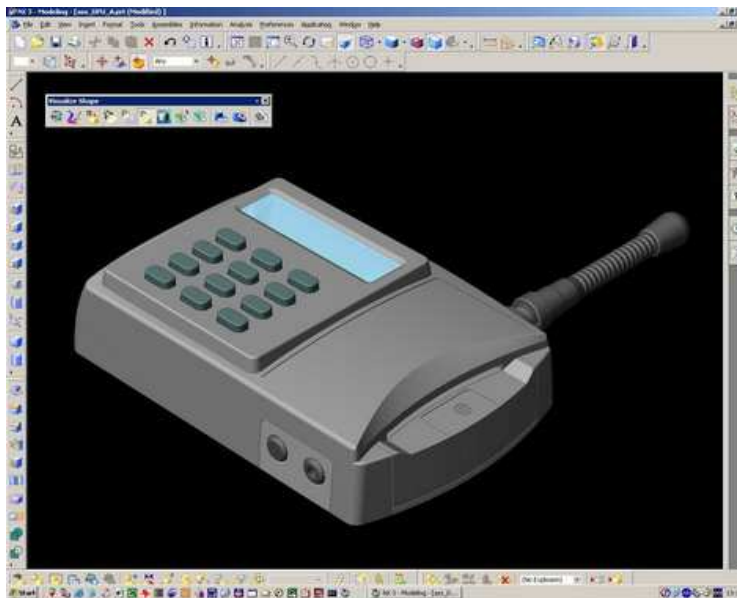
Stereolithography and rapid prototypes [information]



Profit centre – **Constituent parts**

Products design

Unigraphics users 



 **Unigraphics Solutions**

Profit centre – **Constituent parts**

Products design

Patents, utility model protections and awards

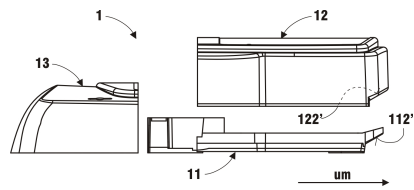


Fig. 1

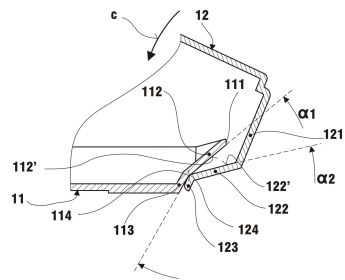


Fig. 3a

European Patent Office

Deutsches Patent- und Markenamt

PATENTSTYRET
Norwegian Patent Office


RUSSIAN AGENCY FOR PATENTS AND TRADEMARKS
FEDERAL INSTITUTE OF INDUSTRIAL PROPERTY

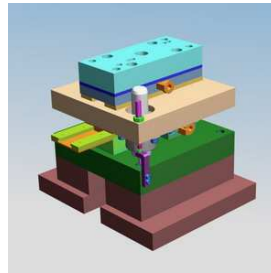
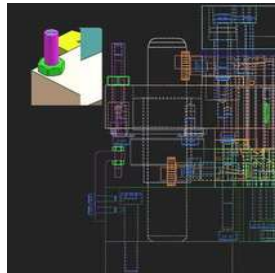
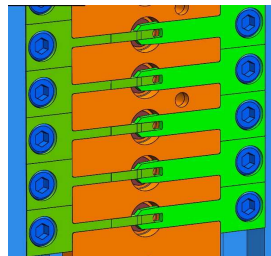
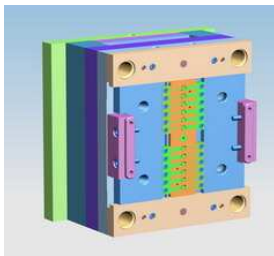
NATIONAL BOARD OF PATENTS AND REGISTRATION OF FINLAND



Profit centre – **Constituent parts**

Tools design and tool shop

Tool shop 



Profit centre – **Constituent parts**

Punching



GERMAG
HUDSON
VEB
MAE
LITOSTROJ



BRUDERER

Profit centre – **Constituent parts**

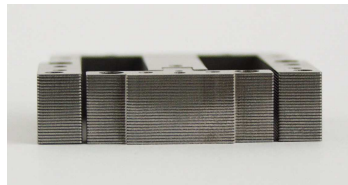
Punching



Profit centre – **Constituent parts**

Punching

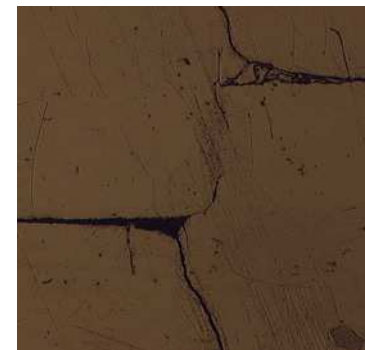
Interlocking system



30 : 1



100 : 1

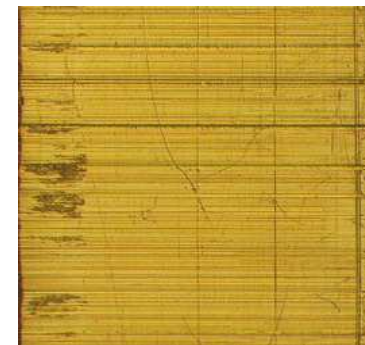
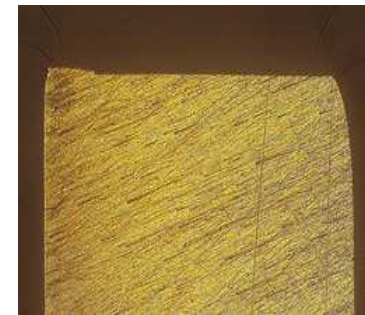
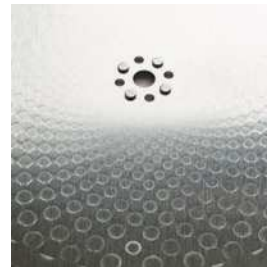
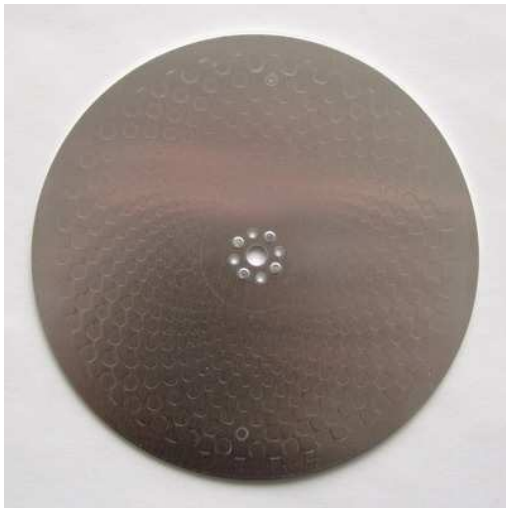


Profit centre – **Constituent parts**

Punching

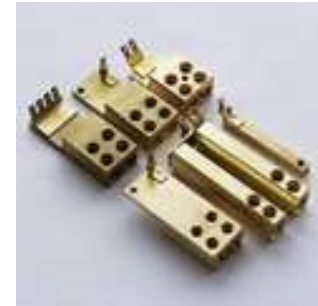


Fineblanking process



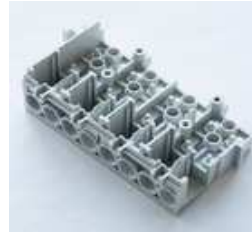
Profit centre – **Constituent parts**

Manufacturing connection terminals



Profit centre – **Constituent parts**

Injection moulding of thermosets
and thermoplastic material
Thermosets deburring

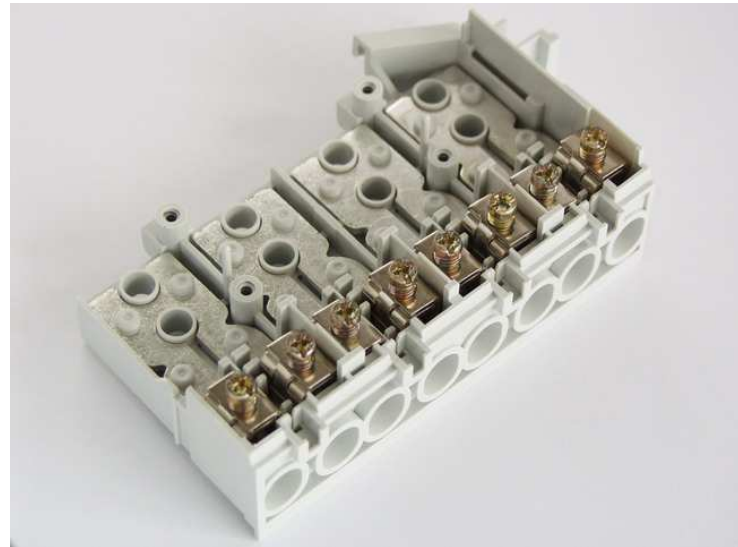
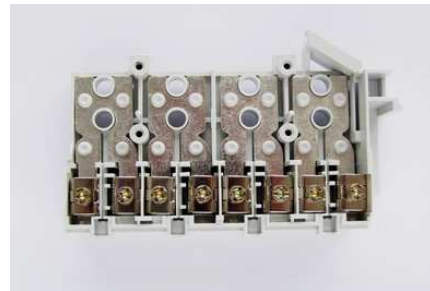


Profit centre – **Constituent parts**

Injection moulding of thermosets and thermoplastic material

Thermosets deburring

Inserting metal parts in injection moulded thermoplastic parts,
and re-injection moulding

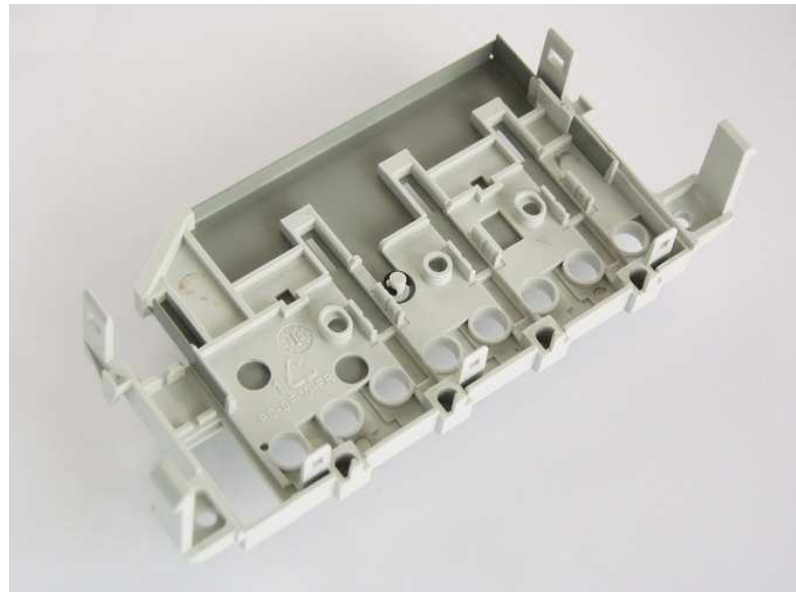
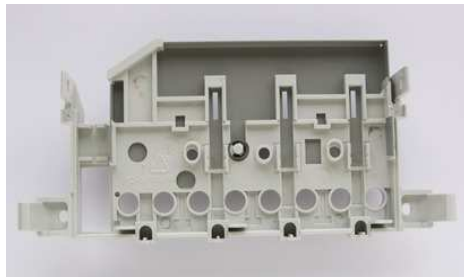


Profit centre – **Constituent parts**

Injection moulding of thermosets and thermoplastic material

Thermosets deburring

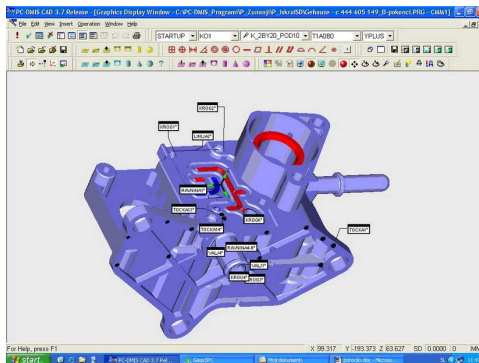
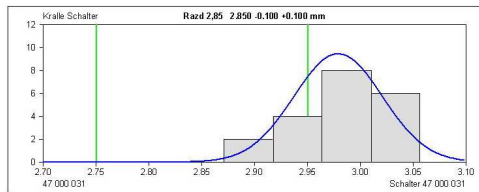
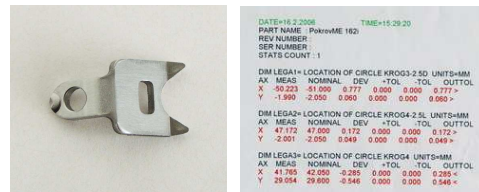
Inserting metal parts in a tool for injection moulding of thermoplastic materials



Profit centre – **Constituent parts**

Dimension measurements

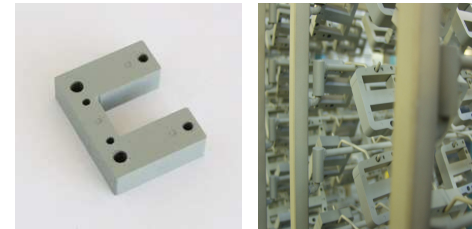
3D DEA STATUS GLOBAL 3D MITUTOYO LEITZ 200S



Profit centre – **Constituent parts**

Surface protections and heat treatment

A line for cathaphoresis lacquering Al and steel sheet metal in stone grey colour (RAL 140 60 05) with deposit thickness 10-15 (25) μm



Profit centre – **Constituent parts**

Surface protections and heat treatment

Electroplating

Methods: Zn ZnFe NiNi NiCu
NiCuNi NiSn NiCuSn
Size: 1700 x 1000 x 360 mm



Safed annealing line with temperature range from 600°C to 1000°C



Profit centre – **Constituent parts**

Machines

Fineblanking:

FINETOOL 1600 kN

Eccentric presses:

KAISER 2500 kN (2),
1600 kN, 1250 kN, 630 kN
GERMAG 500 kN
HUDSON 350 kN

Fast running presses:

KAISER 1250 kN, GERMAG 500 kN
BRUDERER 800 kN, 500 kN

Hydraulic presses:

LITOSTROJ 1000 kN
MAE 630 kN
VEB 250 kN (2)

Injection moulding of thermoplastic material:

Demag 800 kN

Injection moulding of thermosets:

KRAUSS MAFFEI 2500 kN
BUCHER 2650 kN

Thermosets deburring:

Hunziker

Dimension measurement:

3D MITUTOYO FN 704
3D DEA STATUS, Global
2D Mikroskop LEITZ UWM 200S Digital

