

New technology:

MEE TECHNOLOGY DESCRIPTION

(MEE = Metallurgical Electroforming Engineering)

MEE technology creates new technology possibility on the base of new procedures and know-how. **Approximately 75 % of the metal products could be produced by MEE technology all over the world.**

The technological procedures of iron and steelwork, foundry, engineering workshop, assembly line, are not used in MEE technology.

There are considerable lower investment and production costs in this technology. This technology enables us to create products that are more complicated and can't be produced in the classic way (foundry and machinery). There are possibilities to launch the new product series that are incomparable with other products, into world market.

The main advantage of MEE technology is the input consists of using either waste, scrap material or ore concentrate.

The next advantage is the low energy consumption.: The decomposition (partial fraction expansion) of one kilogram of metal (copper, iron, nickel) with repeated spreading requires (in the case of 1000 A and 1 - 2 V) only 1 - 2 kWh.

The electroforming is well known technological procedure, but unfortunately with some negative and limited factors, for example the lines of force influence, pitting (hydrogen decess) etc. Our team was successful and remove limited factors in a few steps.

The MEE technology is possible to use in five ways:

1. Low temperature melting metals technology
2. Jet (nozzle) technology
3. Granule technology
4. Wick technology
5. Continuous technology

POSSIBILITIES HOW TO USE THE MEE TECHNOLOGY :

Research and development of

- a new demanded product or
- a new procedure in order to decrease production cost

NOTE

We created and produced products made of copper and nickel. The industrial production needs:

- A. To solve iron using and it means about 12 months development.
- B. To ensure all the parameters and conditions by using MEE technology
 - in pilot plant and then
 - in factory's production line.
- C. To arrange the necessary patent protection and the following licence contracts.

More information: e-mail: ritmo@iol.cz, tel. 420 244 401 876

Product Examples on the next page:

MEE technology

Product Examples

CREATES NEW MATERIALS

- compounds
- composites
- combinations



Moulds and Dies



Glass Mould



Glass Mould



Plast Mould

Tube of Special Material



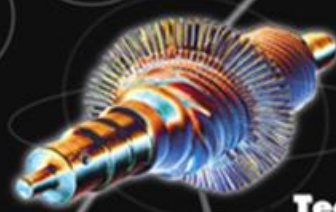
Car Cooler



Microprocessor Cooler



New Technologies and Materials



Jet Spreading Example



ISO Chip Card Aerial



Pressure Bottle Obturator



"Cold Welding"



Waveguide

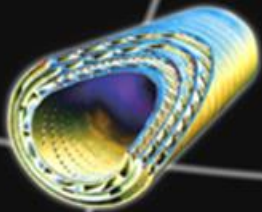


Light Shoulder



Model

Eurotpallet



Heat Exchangers

Heat Exchange Cut



Wire Heat Exchanger



Tubular Heat Exchanger



Flat Radiator Cut



Heat Exchanger of Special Use



