



## TECHNOLOGY OFFER PROFILE ( TO )

### 1. TECHNOLOGY DESCRIPTION

**Title:**

Software to prepare the production in small (short) series and one of the kind

**Abstract**

A research and design institute from Romania developed a CAM-Software to prepare the production in small(short) series and one of the kinds. Using this system leads in growing the competitiveness of both environments scientific and economic. The system can be use in industrial manufacturing and teaching system.

Looking partners : - industrial;

- software producers for "Production Administration"

**Description/ Special features.** *Please give a description of the relevant results or characteristics of the offer.*

Leaving from the data regarding the description of the parts or units ( supplied by men or directly from designing programs as AUTOCAD), the system **automatically generates a technological chart ( a complete operation sheets )**, with the **succession of phases**, the **norm** and the **attendance** for each operation, proper to each piece and subassembly and the necessary documents for supplying, costs, launching and surveying the production of small series and one of the kind.

*By implementing the system, it can be adapted to the conditions, equipment and user specific.*

**Innovative Aspects of the Offer**

The software **generates the technologies** according to the geometrical description of the piece, doesn't look the technology in a database and doesn't solicitate the user to choose the operation succession from a complex technological chart, pre-established for a family of parts.

**Main advantages of the Offer**

- the quality and quantity improvement of the users activity;
- productivity growth;
- the correct use of the human and material resources;
- the reduction of the routine work of the technical staff up to 85% due to the increase with 100% of the technologies quality and the other information from the published documents;
- competitive growth and buying up new markets;
- the report of the output and the input is maximum;
- the communication man-computer is interactive with conversation, the data are coming directly from the drawing or from designing program as AUTOCAD;
- the software can be implemented in a system of production-administration as MAPIX, SIVICO-Applications, having the contribution to increase their quality and advantages.

### 2. Technology Key words

1. Industrial Engineering
2. Manufacturing Techniques
3. Mechanical Engineering
4. Systems software
5. Manufacturing/industrial
6. Integrated software
7. Automatically generation of technological chart
8. Operative norm of the technological operations
9. Small (short) series and one of the kind production



**Current stage of development of the offered / required technology**

- Development phase – laboratory tested
- Available for demonstration – field tested
- Already on the market

Comments:

**Intellectual Property Rights (for offers only)**

- patent applied for\*
- copyright protected
- secret know-how
- patents granted \*
- exclusive rights \*
- others (registered design, plant variety right, etc)\*

Comments:

\* ) The intellectual property rights belong to the institute, the user receive only the workable form of the software and he has no rights to use it in other conditions that were established initial . The idea can be patents granted and offered to anyone that demand it in reasonable terms.

**Organisation/Company submitting Technology Offer**

- Type**
- Industry
  - Research institute /University
  - Other: please specify\*
  - Technical Centre / Technology transfer centre
  - Services

\*Comments:

**Size of Organisation submitting Technology Offer (please tick one box)**

- < 10 employees
- 11-50 employees
- 50-250 employees
- 250-500 employees
- > 500 employees

**3. APPLICATION DOMAINS**

**Market Applications Highlights (less than 250 characters)**

- any industrial branch with small series or one of a kind production ;
- software producers for production-administration;
- polytechnic teaching institutes.

**4. COLLABORATION DETAILS**

**Type of collaboration sought (more than one option can be selected)**

- Technical co-operation
- Joint Venture agreement
- Manufacturing agreement
- Commercial agreement with technical assistance
- Licence agreement
- Financial resources

Comments:

- industrial partner with small series and one of a kind production, to implement and adapt to the specific conditions;
- software producer for production-administration, to include also " generating technologies";
- polytechnic teaching institutes, to exemplify.