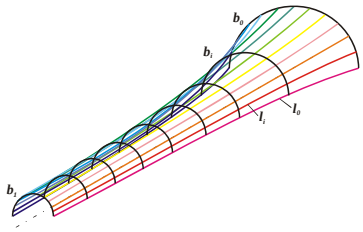
PRECISION SEAMLESS TUBES TECHNOLOGY ELEMENTS OF PILGER ROLLING TECHNICAL AUDIT & INNOVATION

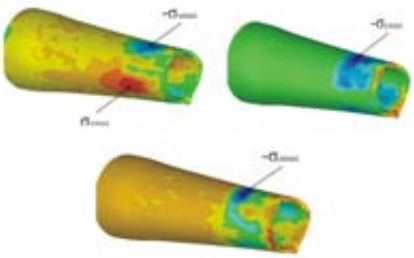
Modernization and introduction of optimum modes of deformation and elements of technology.



New types of the shape of the tool are constructed in view of the most possible quantity of the influencing factors. These forms are taking into account all your requirements and comply with conditions of your manufacture.

Tool rolling design:

- new methods of construction of worked part strand of caliber of pilger mills;
- use of modern methods of analysis of process;
- application method of final elements (MFE) and of computer simulation.



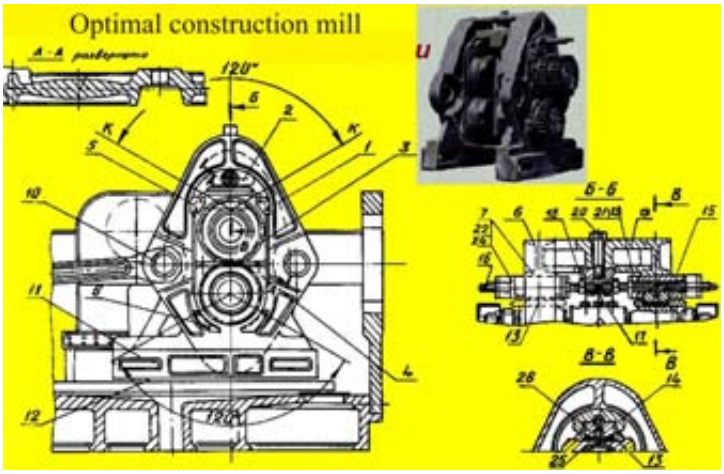
Revamping and erection of pilger rolling mills

We have developed the strong light-weight working cages; small-sized mechanisms of the main drives of cold pilger mills with a complete equilibration of driving masses; original complexes of feed-turning mechanisms; the automated systems of axial loading of billets, etc. that allows:

– Increasing parameters of quality of ready products and productivity of the mill;

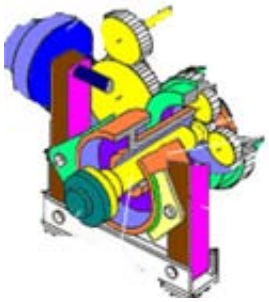
– Cold rolling of tubes with minimal axial forces;

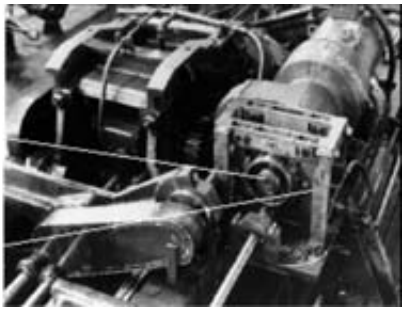
– Tuning qualitative parameters of a ready product without a stop of mill.



On the base of approved construction elements we offer to create a new modern cold rolling mill.

The new constructive decisions





- Modernization of elements of pilger rolling mills
- Additional equipment
- Creation of the automatic line of manufacture of precision tubes

Technologies of productions

– Technological charts of production of tubes with increase requirements - Special accuracy of the geometrical sizes, mechanical properties, structure of metal.

– Technological charts of production of tubes with the not round form of cross section.

– Technological charts of production, provided consumer qualities of precision tubes, witch application for:

- Chemical industry;
- Nuclear industry;
- Thermal industry;
- Power generation;
- Aircraft & Space industry;
- Mechanical engineering;
- Manufacture of bearings;
- Drinking water preparation of and manufacture of food products;
- Other high-technological branches of industry;

Basic scientific work and development of process assignments of pilgering

– New materials for productions of tubes;
– Effective and energy-saving technologies;
– Increasing quality producible tubes;
– Creation new equipments;
– Intensification processes of cold pilger.