



## New design of box passes

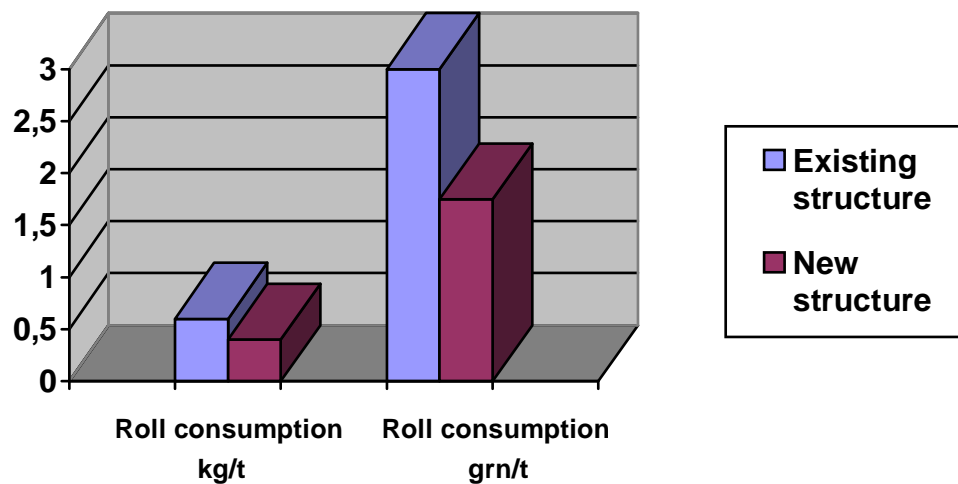
Section and continuous bar mills apply box passes.

Their design does not allow to reduce size of deterioration and removal of metal at rolls repair. Moreover it cuts down quantity of possible regrinding and durability of rolls.

The new design of box passes allows to reduce their deterioration and removal of metal at one regrinding, to increase quantity of regrinding and durability of rolls in 1,5-2 times.

Box passes are used in semi continuous rolling mill 600 applied on Public Corporation “Alchevskij Iron and Steel Works”. The economic effect of a new design is 1,7 million grivnas.

A new design was industrially approbated in continuous bar rolling mill of Yenakievsky Iron and Steel Works. Testing has shown, that operating time of rolls has increased to 12 %.



Economic efficiency indices on application of new structure box passes