

The invention relates to field of the special electric metallurgy and is designed for quality ingots, the blank parts and coverings producing. The method includes a melting of rotating blank cylinder side surface by an electronic ray in vacuum, forming the directed melt drops flow, transporting and uniform drops distribution on a heated forming surface and the ingots, the blank parts or the coverings crystallization on it. In the process of metal removing from the initial cylinder the metal is restored by delivering from the intermediate vessel to the cylinder surface of the melt of analogous chemical content.