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## Abstract

**Key words:** CAD-CAM, steel-wood furniture, argon

Luxury wooden furniture metal is the current modern and contemporary postmodern. Materials of the furniture is made of: wood, veneered panels, MDF, leather, metal, stone, marble, tempered glass (image1).



Image 1. Luxury upholstered sofa stainless steel-wood mixed structure

The design and execution was carried out at SC JNL Edition SRL in May-June and aimed at developing a new technology for production of stainless steel-wood tables. In the figure below is shown lying machine hydraulic steel band.



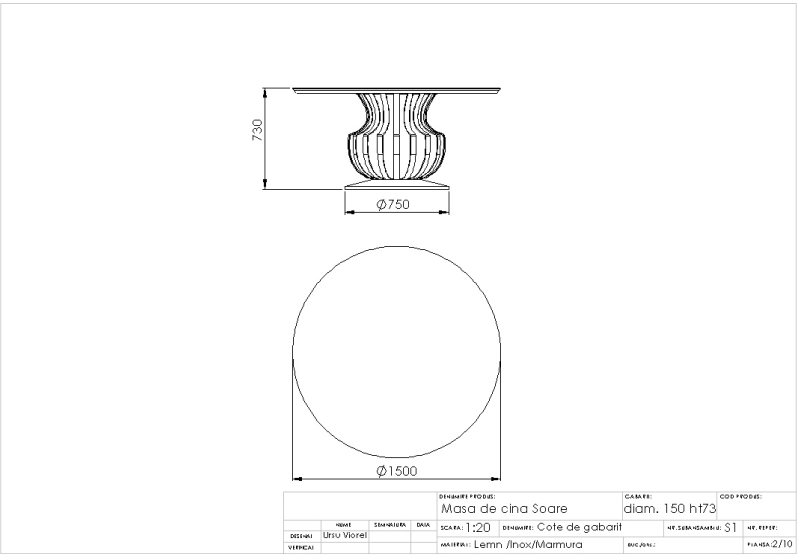


Image 2. Design AutoCAD

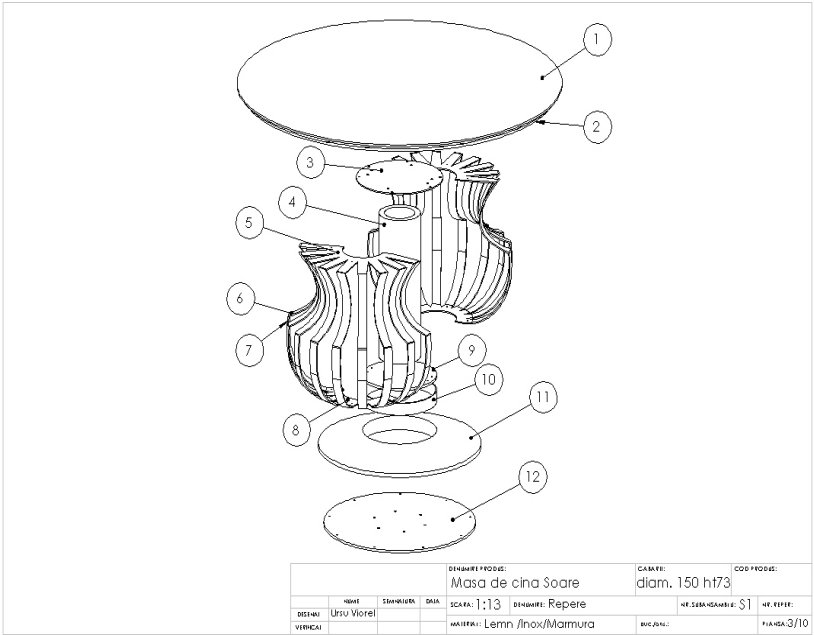


Image 3. Component mixed metal-wood furniture



Image 4. Welding steel bands.



Image 5. The final stage of the socket

Problems were encountered during application design in CAD-CAM product (image 2 and 3), the execution of the socket by hand carving,

bending into shapes strips of steel, argon welding steel strips (image 4 and 5), mounting plate base table (image 6).

## RESULTS AND DISCUSSION

Mixed metal-wood furniture, metal, marble, metal, glass is in trend. Its manufacture is difficult. Through our research we found constructive and technological solutions for their manufacture. The main problem was welding in argon steel strips, pattern making table leg through the CAD-CAM, engineering and construction joints.

## CONCLUSIONS

The proposed technology solve many problems encountered in the production of mixed metal-wood furniture.

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