

**LABORATORY: CNR ISTI**

**NAME OF THE INSTRUMENT**

ProJet CJP 860Pro

**GENERAL DESCRIPTION:**

The ProJet CJP 860Pro 3D printer is a high-definition color printing system designed to produce models and prototypes with vibrant colors and accurate details. It utilizes ColorJet Printing (CJP) technology, which combines layer processing with the application of color inks to create realistic three-dimensional parts. It is ideal for printing-colored objects (the average price of the usable materials is 250€/kg).

Thanks to its high resolution, the ProJet CJP 860Pro can produce detailed and accurate models. This makes it ideal for creating functional prototypes, architectural models, artistic objects, and much more.

Equipped with a large print area, the ProJet CJP 860Pro allows to produce sizable parts or the simultaneous printing of multiple components. The ProJet CJP 860Pro finds applications in various sectors such as architecture, design, industrial manufacturing, and education. With its ability to produce color models with precise details and realistic finishes, this 3D printer represents a reliable solution for creating visually appealing prototypes and models.

**TECHNICAL DESCRIPTION:**

The ProJet CJP 860Pro 3D printer utilizes ColorJet Printing Technology, has a print area of 508 x 381 x 229 mm, and a print accuracy of up to 600 x 540 DPI.

The post-processing is carried out using the Cleaning Station machine, which allows for fast and safe cleaning of the printed objects.



Figure: ProJet CJP 860Pro

**FURTHER INFORMATION:**

- 3DSystem Website: <https://www.3dsystems.com/3d-printers/projet-cjp-860pro>
- Brochure: <https://www.3dsystems.com/sites/default/files/2021-06/3d-systems-colorjet-printing-brochure-usen-2021-06-14-web.pdf>
- Material list: <https://www.3dsystems.com/materials/visijet-pxl>
- User guide: [https://support.3dsystems.com/s/article/projet-cjp-x60-instructions-for-use?language=en\\_US](https://support.3dsystems.com/s/article/projet-cjp-x60-instructions-for-use?language=en_US)

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