

\ ONA ELECTRO-EROSION

Pioneers in the development of EDM (Electric Discharge Machining) technologies, **ONA** is the world's oldest EDM machine manufacturer, the European Union's first and one of the world's most important manufacturers.

We work with the experience and conviction that technological knowledge guarantees the best solution. Thus, since 1952, our team of experts, with the talent and know-how required, has been available to provide tailored solutions that adapt to your needs.



14,000

machines installed worldwide.

90%

of our production are exports.

60

countries on the 5 continents with **ONA** machines.

70

different configurations of large-scale machines.

\ GUARANTEED ROBUSTNESS, PRECISION AND RELIABILITY

The new generation of **ONA** machines has the traditional robustness and reliability that has defined the brand since 1952:

- Made in Europe quality
- Symmetrical structural design
- Certified precision: ISO 11090 in die sinking machines and ISO 14137 in wire machines.
- Direct position measurement on the X, Y, U, V axes.

\ MEET OUR EXPERTS

Our best service and technical advice for our customers' success.

The Technology and Processes Service (TPS) at **ONA**, provided by our best experts in electro-erosion, aims to guarantee a perfect integration of our products in the specific environment of each customer. The guarantee that our customers will always get the best performance from their **ONA** machine.

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LOOK NO FURTHER,
THE FUTURE IN EDM
IS HERE

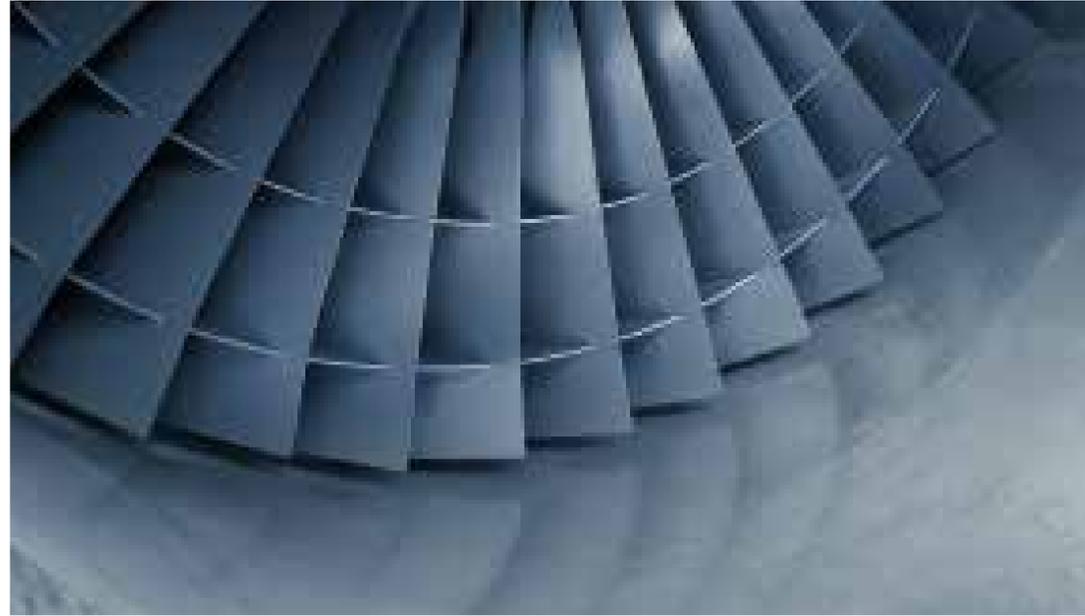
ONA WE ARE EDM



COVER PICTURE >>
Cutting of the mounting grooves for the blades of a turbine disk carried out in an **ONA AV60** machine.

\ **ONA AV**
MODULAR

\ WE ARE EDM



We are EDM. It is in our origins, it's within us.

It is the commitment we made when we started out and which we have stood by after more than 60 years of experience.

The cornerstone of our work that gives meaning to everything we do: electro-erosion. We maintain a firm commitment to this technology. This has enabled us to be, and continue to be, the leaders of our industry, in the past, present, and in the future.

WE ARE EDM.

\ WE ARE EXPERTS

We are specialists in EDM, focused on the research and development of electro-erosion technologies.

\ WE ARE PROUD

More than 60 years of experience, 14,000 machines installed, a team of highly qualified professionals, with extensive knowledge and a promising future.

\ WE ARE YOUR SOLUTION

We adapt our knowledge and resources to find the best solution for our customers.

\ WE ARE CONFIDENT

We offer the highest level of productivity, quality, and results, as we are confident in our Technology.

AV WIRE EDM MACHINES \ ONA AV MODULAR

UP TO 30 MODELS OF MODULAR
LARGE-SCALE WIRE EDM MACHINES

Thanks to their modular and versatile design, the large-scale **ONA AV** Modular machines enable each customer to configure their own machine with unprecedented flexibility.

The **ONA AV** range has been designed to meet the highest standards of precision, surface finish and productivity. It incorporates a new CNC-CAM with touchscreen that exceeds the demands of the most advanced programmer and a new digital generator that allows for cutting speeds of up to 34 in²/hour with 0.012 inches wire.

TECHNOLOGICAL ADVANTAGES:



Easycut digital generator which ensures maximum productivity and excellent quality (360 mm²/min with 0.30 mm wire).



100% ecological filtration without replaceable cartridges.



Extremely simple and user-friendly user interface with 23-inch touchscreen.



Collision protection system with the ability to detect impact forces of only 0.8 kg (8 N).



CNC-CAM capable of controlling up to 8 axes simultaneously, enabling CAD/CAM integration.



Manifold combinations of X-Y-Z travels.



Highly robust mechanical components that guarantee long-lasting precision.



Surface integrity 100% guaranteed.



90 pounds Wire Spool capacity for long unattended machining.

ONA AV60 MAXIMUM PRODUCTIVITY



ONA AV80 100% ECOLOGICAL FILTER



	ONA AV60	ONA AV80
Travel of X axis	31.5 in	39.4 in
Travel of Y axis	23.7 in	23.7 / 31.5 / 39.4 in
Travel of Z axis	19.7 / 23.7 / 27.6 / 31.5 in	19.7 / 23.7 / 27.6 / 31.5 in
Maximum workpiece dimensions (Length x Width x Height)*	51.2 x 41 x 19.7 in	51 x 41 x 19.7 in
Maximum workpiece weight	11000 lbs	11000 lbs
Travel of the U/V axes	19.7 x 19.7 in	19.7 x 19.7 in
Maximum angle of conical cut	± 30° / 15.8 in	± 30° / 15.8 in
Wire diameter	0.008 - 0.013 in	0.008 - 0.012 in
Maximum cutting speed	42 in ² /h - 0.013 in (Xcc wire)	34 in ² /h - 0.012 in (Xcc wire)

*Request the different configurations available. The data shown correspond to the smallest machine configuration for each of the models.

ONA AV100 LARGE MACHINING CAPACITY



ONA AV130 GREAT AUTONOMY AND VERSATILITY



	ONA AV100	ONA AV130
Travel of X axis	59 in	78.7 in
Travel of Y axis	39.4 / 51.2 in	39.4 / 51.3 in
Travel of Z axis	23.6 / 27.6 / 31.5 in	23.6 / 27.6 / 31.5 in
Maximum workpiece dimensions (Length x Width x Height)*	76.8 x 63 x 23.6 in	98.4 x 63 x 23.6 in
Maximum workpiece weight	22000 lbs	22000 lbs
Travel of the U/V axes	19.7 x 19.7 in	19.7 x 19.7 in
Maximum angle of conical cut	± 30° / 15.7 in	± 30° / 15.7 in
Wire diameter	0.008 - 0.012 in	0.008 - 0.012 in
Maximum cutting speed	34 in ² /h - Ø 0.01 in (Xcc wire)	34 in ² /h - Ø 0.01 in (Xcc wire)

*Request the different configurations available. The data shown correspond to the smallest machine configuration for each of the models.