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.

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
- Certification: ISO 9000 in die sinking machines and ISO 9001 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.

ONTEDERED ROBUSTNESS, PRECISION AND RELIABILITY

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.

USA - ONA EDM USA, INC.

15943 Angelo Drive
Macomb, MI 48042

T. 586 697 5880
F. 586 697 5896
E. info@onaedmusa.com

www.onaedmusa.com

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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 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.

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.

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.

ONA AV60
ONA AV80
ONA AV100
ONA AV130

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.

ONAV60 ONAV80 ONAV100 ONAV130

Travel of X axis 31.5 in 39.4 in 59 in 78.7 in
Travel of Y axis 23.7 in 23.7 in / 31.5 in / 39.4 in 39.4 in / 51.2 in / 51.3 in
Travel of Z axis 19.7 in / 23.7 in / 27.6 in / 31.5 in 23.6 in / 27.6 in / 31.5 in / 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 76.8 x 63 x 23.6 in 98.4 x 63 x 23.6 in
Maximum workpiece weight 11000 lbs 11000 lbs 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 ± 30º / 15.8 in ± 30º / 15.7 in
Wire diameter 0.008 - 0.013 in 0.008 - 0.012 in 0.008 - 0.012 in
Maximum cutting speed 42 in²/h - Ø 0.01 in (Xcc wire) 34 in²/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.

ONA AV MODULAR

MAXIMUM PRODUCTIVITY

100% ECOLOGICAL FILTER

LARGE MACHINING CAPACITY

GREAT AUTONOMY AND VERSATILITY

ONA AV100
ONA AV130

ONAV100 ONAV130

Travel of X axis 59 in 78.7 in
Travel of Y axis 39.4 in / 51.2 in 39.4 in / 51.3 in
Travel of Z axis 23.6 in / 27.6 in / 31.5 in 23.6 in / 27.6 in / 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 ± 30º / 15.7 in ± 30º / 15.7 in
Wire diameter 0.008 - 0.012 in 0.008 - 0.012 in
Maximum cutting speed 34 in²/h - Ø 0.01 in (Xcc wire) 34 in²/h - Ø 0.01 in (Xcc wire)

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