

# \ 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%**

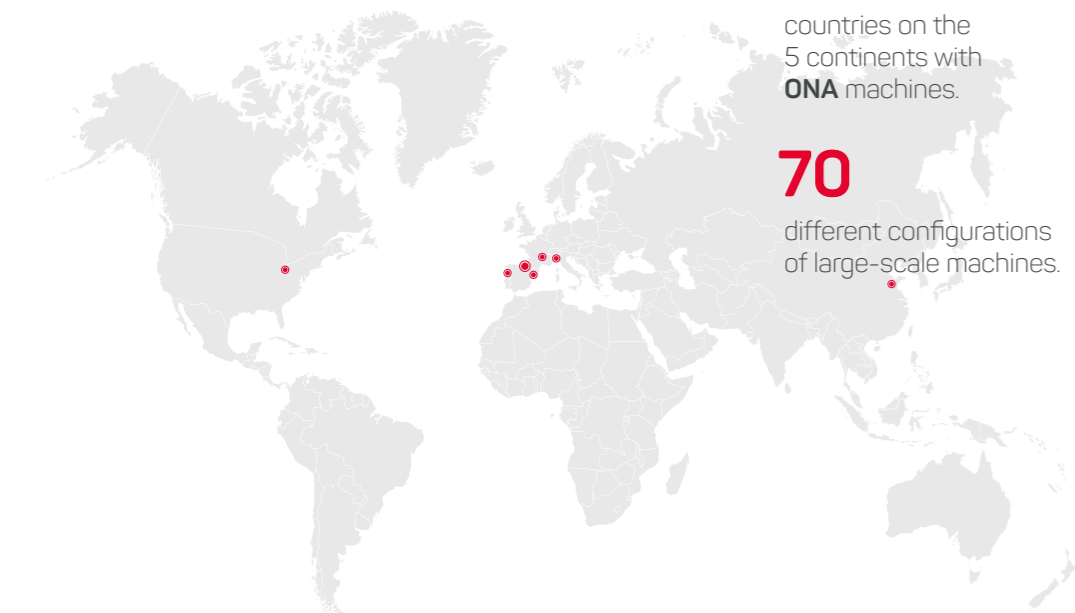
of our production are exports.

**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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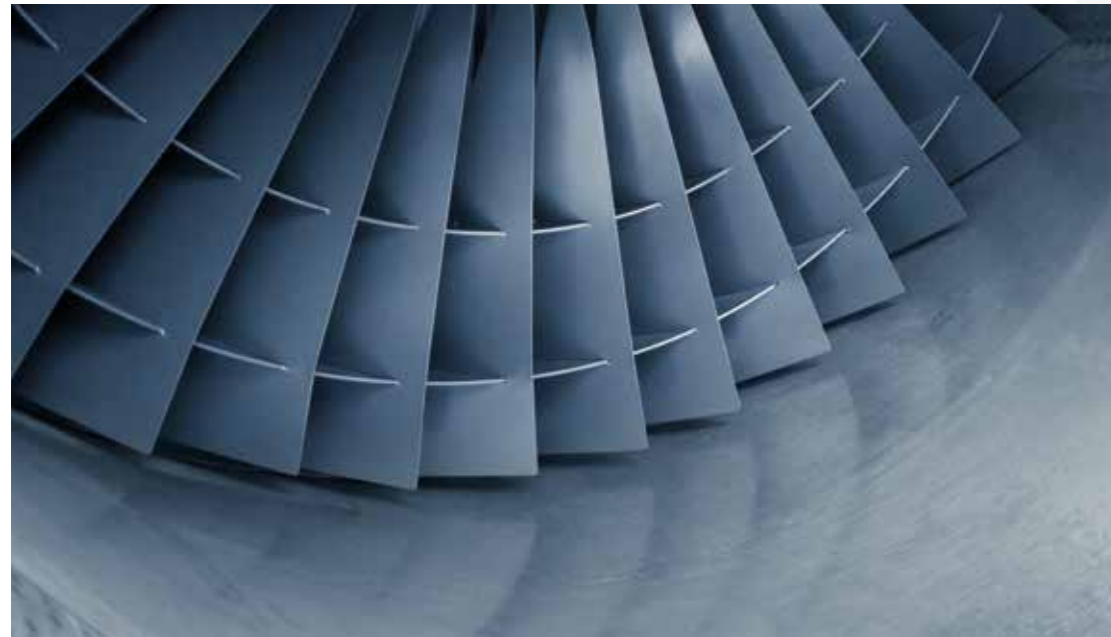
LOOK NO FURTHER,  
THE FUTURE IN EDM  
IS HERE



COVER PICTURE >>  
Cutting of a pattern for high precision gears (max. error: DIN 3962 Grade 3) in an AF25 **ONA** machine.

\ ONA AF  
STANDARD

# \ 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, which has enabled us to be leaders and a reference in our sector in the past, now 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 guarantee productivity 100%. We offer quality, guarantees and results. Because we are fully confident in our technology.

## AF WIRE EDM MACHINES

# \ ONA AF STANDARD

### MORE PRECISE AND AUTOMATED SOLUTIONS

The STANDARD **ONA AF** machines are noted for their high cutting speed and low maintenance costs, thanks to the AquaPrima ecological filtration system patented by **ONA**.

The entire **ONA AF** range has been created under the premises of productivity, quality, simplicity and automation, resulting in machines that combine the robustness, speed and precision that our customers are looking for in wire EDM.

### TECHNOLOGICAL ADVANTAGES:



Easycut digital generator which ensures maximum productivity and excellent quality.



100% ecological filtration without replaceable cartridges.



Highly robust mechanical components that guarantee long-lasting precision.



Automatic generation of programs.



CNC **ONA W64** with fast, simple and automated operation.



Technological tables for high-precision cutting.



Automatic system for precision conical-cutting.



Expert system for wire-cut electro-erosion.

## ONA AF25

CERTIFIED PRECISION



## ONA AF35

COLLISION PROOF



### ONA AF25

|  |   |
|--|---|
| Travel of X axis                                       | 400 mm  |
| Travel of Y axis                                       | 300 mm  |
| Travel of Z axis                                       | 250 mm  |
| Maximum workpiece dimensions (Length x Width x Height) | 700 x 650 x 250 mm                              |
| Travel of the U/V axes                                 | 120 x 120 mm                                    |
| Maximum angle of conical cut                           | ± 30° / 87 mm                                   |
| Wire diameter  | 0.10 - 0.33 mm                                  |
| Maximum cutting speed                                  | 450 mm <sup>2</sup> /min - Ø 0.33 mm (Xcc wire) |
| Minimum roughness                                      | 0.2 µm Ra                                       |

### ONA AF35

|  |   |
|--|---|
| Travel of X axis                                       | 600 mm  |
| Travel of Y axis                                       | 400 mm  |
| Travel of Z axis                                       | 400 mm  |
| Maximum workpiece dimensions (Length x Width x Height) | 1060 x 750 x 400 mm                             |
| Travel of the U/V axes                                 | 120 x 120 mm                                    |
| Maximum angle of conical cut                           | ± 30° / 87 mm                                   |
| Wire diameter  | 0.10 - 0.33 mm                                  |
| Maximum cutting speed                                  | 450 mm <sup>2</sup> /min - Ø 0.33 mm (Xcc wire) |
| Minimum roughness                                      | 0.2 µm Ra                                       |