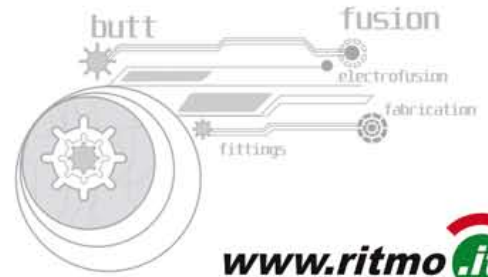




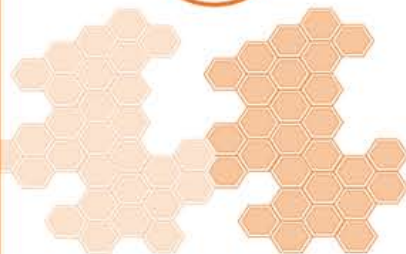
Italian Technology for "The Welding People"



**Ritmo**  
PLASTIC WELDING TECHNOLOGY



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HDPE PP  
PVDF PB





# MADE IN ITALY

DESIGN, CREATE  
IN ITALY



RITMO S.P.A. is a world leader with over 35 years of experience in the manufacturing of plastic welding equipment. All products are designed and built according to International standards and directives (UNI, ISO, CEE). Since the very beginning, quality and technology innovation are RITMO's milestones, and time after time, this philosophy is always more recognized by the global market. RITMO strong points are its ideas to design and produce accurate, fast, versatile, modular and easy-to-use welding machines. Products range includes butt fusion, electrofusion and extrusion equipment. Ritmo is also providing a complete line of accessories and useful instruments for pipe cutting and weld preparation such as the band saws. RITMO's regards towards the client has brought to the new-born "RITMO FUSION OPERATOR SCHOOL", which is a welding school with the goal of building qualified personnel and spread the knowledge about the technical potentiality of RITMO's equipment: **TECHNOLOGY MADE IN ITALY.**

... the result of  
our joint  
efforts



**ISO 9001**  
**Quality System**

# A

# D V A N T A G E

## RITMO SERVICE

### **RITMO WORLDWIDE**

*Ritmo has professional distributors and resellers all over the world. Our staff is ready to assist you in English, Spanish, French, German, Japanese, Arab, Italian and Portuguese.*

### **TRAINING**

*From many years now, we have decided that the best way to grant a client/distributor a perfect knowledge of our products is to invest in custom training, in our own premises. These courses are aimed to teach how to operate the products in the best way, and how to supply the "first aid" when necessary.*

### **PRESALES TECHNICAL ASSISTANCE**

*When a client or a potential client wants to buy us a product, it is our standard procedure to help find the best solution to its needs.*

### **GLOBAL ADVICE**

*In such a technical field as ours, the customer requires the best assistance. Thanks to the experience developed along the years, and to the co-operation with several manufacturers, institutions, schools and training institutes, RITMO is able to give the most comprehensive advice to no matter which related issue.*

*Our company is a long-time member of a UNIPLAST's (UNI-Italian National Plastics Standards Body) working group dedicated to the study and draw up of new standards within our field. The importance of this group is linked to the fact that the expansion of the plastic welding field ought to be followed by a crescent sensitivity for safety issues, so to have a sustainable and continuous growth. The working group prepares draws, hence present them to the UNI to be discussed and eventually transformed into new standards.*

### **AFTER SALES TECHNICAL ASSISTANCE**

*Ritmo's Service Centre can solve all kind of technical issues, as well as overhaul our machines. Ritmo has other Service Centres abroad, linked to its official distributors.*

### **STARTING AND TESTING**

*RITMO' technicians are prepared to make the starting and testing of workshop machines at the client' own premises, so that the fittings production can start almost immediately.*

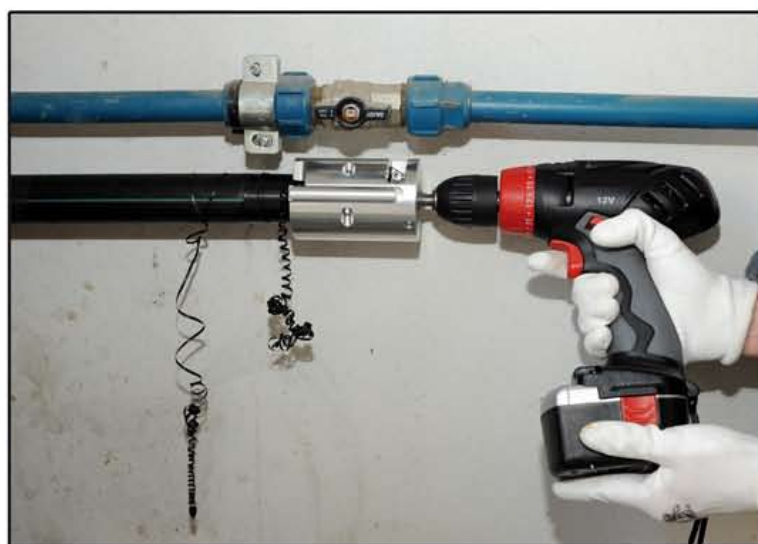
# TURBO 20 - 63



**TURBO is the pipe scraper patented by RITMO** for pipes and fittings ranging from Ø 20 to 63 mm SDR 6 to 11. TURBO is simple and easy to use. This incredible pipe scraper can work in confined spaces substantially reducing working times, especially during repair operations. The rotating tool allows fast and precise scraping, without defects. Its blades also allow the perfect facing of the pipe ends which have been roughly cut due to a situation which makes the use of a pipe cutter difficult, like narrow spaces.

Six different sizes of the TURBO are available, according to the pipe size. TURBO has to be used with a cordless drill.

MODELS	WORKING RANGE	SDR	SCRAPING LENGTH	WEIGHT
TURBO 20	Ø 20 mm	6 - 11	45 mm	0,37 Kg
TURBO 25	Ø 25 mm	6 - 11	45 mm	0,47 Kg
TURBO 32	Ø 32 mm	6 - 11	45 mm	0,64 Kg
TURBO 40	Ø 40 mm	6 - 11	55 mm	0,82 Kg
TURBO 50	Ø 50 mm	6 - 11	55 mm	1,02 Kg
TURBO 63	Ø 63 mm	6 - 11	55 mm	1,29 Kg



# PIPE SCRAPERS

## RTC 160 - RTC 315 - RTC 710



RTC 160



RTC 315



RTC 710



Manual scraper

These professional rotary scrapers, designed and patented by Ritmo, are essential to prepare the plastic pipes and fittings before electrofusion welding. Practical and handy, the pipe scrapers remove the oxidation layer caused by weather and ultraviolet rays. If not removed, the oxidation layer would severely compromise the quality of the joint.

Among the main construction features there is a device that makes it possible to maintain the thickness of the continuous chip constant, even if the pipe is misshaped, and to adjust the length of the surface to scrape according to the depth of the electrical coupler.

The **RTC 710** features an extendable arm to scrape the exact length of the electrical coupler, which is an advantage when having to perform maintenance/repair jobs in the building site. The main chuck has four extendable arms that clamps directly the inside diameter of the pipe.

### STANDARD COMPOSITION

- Pipe scraper
- Adapters kit (except for RTC 710)
- Spare blade
- Handwheel key (for RTC 315)
- Aluminum transport case
- Screwdriver and small cutter

### MANUAL SCRAPER

This manual tool is used with the same principle as the RTC pipe scrapers. The MANUAL SCRAPER features a practical plastic handle and a blade

### TECHNICAL FEATURES

	RTC 160	RTC 315	RTC 710
Working range			
EXTERNAL	Ø 50 ÷ 160 mm	Ø 75 ÷ 315 mm	Ø 355 ÷ 710 mm
INTERNAL	Ø 38 ÷ 154 mm	Ø 58 ÷ 300 mm	Ø 290 ÷ 675 mm
Scraping length	114 mm	137 mm	530 mm
DIMENSIONS			
Max. dimensions	380x120x250 mm	510x310x410 mm	825x805x695 mm
Transport case	390x210x135 mm	230x500x270 mm	800x580x350 mm
WEIGHT			
Pipe scraper	2,50 Kg	4,50 Kg	16 Kg
Standard composition	5,65 Kg	7,50 Kg	39 Kg

### MANUAL SCRAPER

Recommended working range	Max Ø 63 mm
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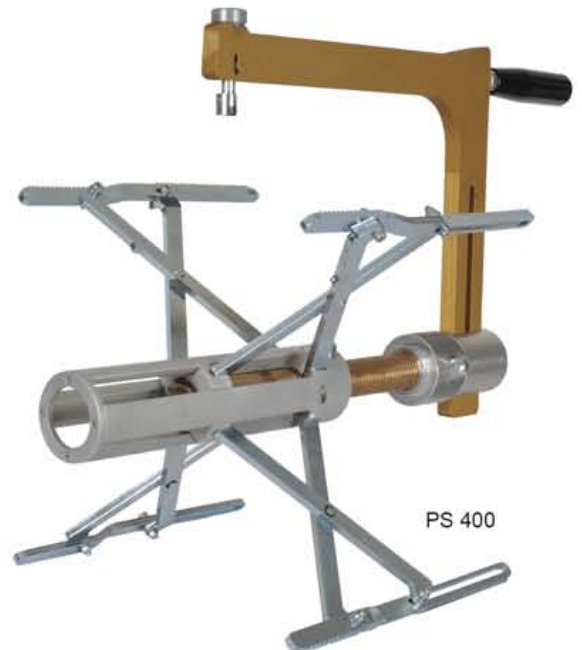
# PIPE SCRAPERS

## PS 180 - PS 400

Professional rotary scrapers, essential to prepare the plastic pipes and fittings before electrofusion welding. The tools has an adjustable chuck covering all the Ø of the working range, and a blade holder orbital arm. The PS series guarantees a constant and regular removal of the shaving. The scrapers blade holder permits the scraping of the entire electrical sleeve's length, most useful when doing on site repairs.

### STANDARD COMPOSITION

- PS 180 supplied with transport bag and spare blade
- PS 400 supplied with transport case and spare blade



### TECHNICAL FEATURES

	PS 180	PS 400
Working range		
EXTERNAL	Ø 75 ÷ 200* mm	Ø 137 ÷ 426 mm
INTERNAL	Ø 61 ÷ 172 mm	Ø 130 ÷ 391 mm
Max scraping length	129 mm	150 mm
<b>DIMENSIONS</b>		
Max. dimensions	595 x 272 x 190 mm	790 x 400 x 400 mm
Transport case	453 x 185 x 63 mm	550 x 350 x 90 mm
<b>WEIGHT</b>		
Standard composition	2,80 Kg	5,50 Kg

\* Ø 200 mm from SDR 6 to SDR 26

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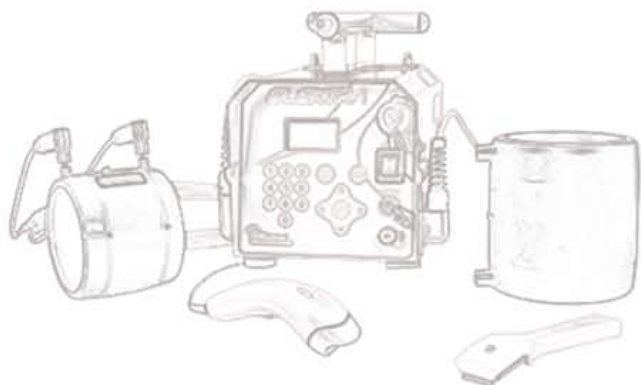
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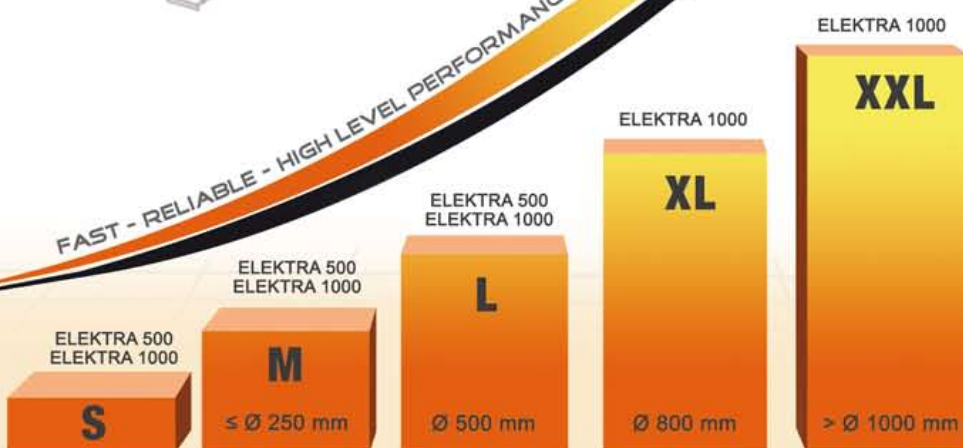
[www.youtube.com/user/RitmoPlasticWelding](http://www.youtube.com/user/RitmoPlasticWelding)

# ELEKTRA 1000

**ELECTROFUSION:  
Evolution  
of the species!**



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**RITMO S.p.A.**

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