

Your environmental solution
the centre of our world



ITR
Metal Recycling Systems

FERROUS AND NON-FERROUS METAL TREATMENT PLANTS SHREDDERS

I.T.R. Metal Recycling Systems is focused on the development and manufacturing of complete **recycling lines and plants for treatment of ferrous and non-ferrous metal waste.**



On request, I.T.R. can also develop and manufacture single machineries and/or projects for new lines as well as existing plants, offering installation, start-up assistance, and technical service on site.

TECHNICAL DETAILS

Model	Cutting chamber / mm	Blades	Power / kW	Version
One shaft Shredder OSS				
ITR OSS 300	3.000x1.500	With interchangeable plates	350 kW	Hydraulic
Two-shaft Shredder TSS				
ITR TSS 100	1.100x900	Fixed	2x 30 kW / 2x 37 kW	Electric / Hydraulic
ITR TSS 130	1.300x1.100	Fixed / With interchangeable teeth	2x 55 kW / 2x 75 kW	Electric / Hydraulic
ITR TSS 150	1.500x1.100	Fixed / With interchangeable teeth	2x 75 kW	Electric / Hydraulic
ITR TSS 180	1.800x1.100	Fixed / With interchangeable teeth	2x 90 kW	Hydraulic
ITR TSS 200	2.000x1.500	Fixed / With interchangeable teeth	2x 200 kW	Hydraulic
Two-shaft Opener TSO				
ITR TSO 100	1.000x900	Fixed	1x 37 kW + 1x 7,5 kW 2x 37 kW	Electric / Hydraulic
ITR TSO 130	1.300x1.100	Fixed	2x 37 kW	Electric / Hydraulic
ITR TSO 150	1.500x1.100	Fixed	2x 75 kW	Electric / Hydraulic
Four-shaft Shredder FSS				
ITR FSS 130	1.300x900	Fixed	2x 22 kW + 2x30 kW 2x 30 kW + 2x 37 kW	Electric
ITR FSS 180	1.800x1.300	Fixed	2x 37 kW + 2x 55 kW	Electric



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I.T.R. shredders are designed to achieve **high performance** in processing different types of materials such as **metal scrap, urban waste, tyres, wood, plastic, electronic waste, ...** thanks to a sturdy and easily manageable machine. The special feature of the machine and the strength of the structure, referred to the model and dimension of the machine, allows the volumetric reduction and the rough off of the material for the following recycling and valorisation processes.

The cutting chamber composition allows quick maintenance and components replacement (blades, spacers, counter blades), reducing management costs and downtime.

The innovative design of I.T.R. machines makes them flexible in order to render the **machine adjustable and customized** according to the needs of each customer and of each application.

Thanks to the studies and tests, I.T.R. has developed a cutting and material processing system that allows the treatment of different typologies of material directly using electrical motorizations or, for “heavy” applications, hydraulic systems for the shafts’ drive.

Main electric switchboard contains command, control, power and operation devices.



Intelligence Passion Technology. Environmental enhancement systems



O.M.A.R. srl
Via Marmolada, 2
Z.I. Nord 31027 Spresiano
Treviso - Italy

T. +39.0422.521028
info@itrimpanti.com

www.itrimpanti.com