

A large industrial machine with an orange frame and grey components. It features a large grey hopper at the top, a blue motor housing, and a silver motor unit. The machine is mounted on four casters. A yellow warning triangle is visible on the grey hopper. The background is a solid orange color.

# TIGER SHARK

**TIGER SHARK S100**  
counter-rotating blade mill  
for waste and plastic  
materials.

**LIKE HAVING A THOUSAND  
BLADES IN YOUR LABORATORY**

Increase your daily productivity  
by 10, 20... 30 times.

100% made in Italy by

 **FULLTECH**  
INSTRUMENTS

# HOW IT WORKS

**TIGER SHARK S100** Grinds and reduces samples even of considerable size to less than 4 mm, normally impossible to be processed in the laboratory as they are. Entire 1.5 liter PET bottles, car parts, latex gloves, work gloves, roof sheaths, shoes, leather, carpets, wood, electronic boards, pc screens, glass etc. Nothing resists the **TIGER SHARK S100**. All in a short time and **WITHOUT CONTINUOUS OPERATOR INTERVENTION** other than loading, with small effort and in total safety.

The materials are processed several times in order to reduce everything to small fragments ideal for release tests. The large mass of the starting sample guarantees homogeneity and representativeness.

**IT IS POWERFUL, STURDY, FAST, QUIET and HANDY.** With a footprint reduced to less than one square meter **TIGER-SHARK S100** can be easily placed in any corner of your laboratory and then put into operation in a few minutes. Despite the great grinding power, it works with a normal 220 Volts line.

Continuous and smooth grinding - thanks to the particular working sequence of the blades (patented) **TIGER SHARK S100** is tireless. Slowly but surely everything that is introduced is ground and goes into the basket below.



# POWERFUL, SILENT, CLEAN AND UNSTOPPABLE.





## ANTI-RELEASE HELICAL BLADES

The counter-rotating blades are extremely effective for grinding waste and both hard and rubbery plastics, carpets, carpets and much more such as wood and textiles. Thanks to the use of 1.1750 manganese steel, which does not release heavy metals, the sample is not contaminated and is ready for leachnig tests or calorific value tests.

## INTUITIVE CONTROL PANEL

Above all, a tool must be simple to use and safe. This is possible thanks to a safety button, main control key and, built-in counter to always know how much you have used your TIGER SHARK S100. The panel also provides the possibility to trigger the rotation in the opposite direction to facilitate the cleaning of the machine.



## COLLECTION BOX FOR THE PROCESSED

We have designed a collection compartment for the processed product that is large enough to hold all the sample coming from the 100 liter loading hopper. The extractable box allows to take the sample easily, and eventually pour it into the loading hopper, if more passages are necessary.

## "ALMOST EMPTY" SENSOR

To facilitate the elimination of downtimes, there is an optical sensor connected to an acoustic buzzer, which warns the user when the loading hopper is almost empty and it is therefore time to carry out another load. In this way it is possible to focus on other tasks while the machine is operational, avoiding that it runs idle after the end of the process.



## SWIVELING WHEELS

TIGER SHARK S100 is equipped with self-locking industrial swivel wheels and a comfortable handle that allows to "park" it wherever you want it when it is at rest and to take it to the point of use comfortably and without big effort, despite its considerable weight. Only one person is needed for its handling. No spatial constraints.





## AUXILIARY ELECTRICAL SOCKET

The TIGER SHARK S100 provides a Shuko socket for power supply accessible from the side of the machine. This makes it possible to connect auxiliary devices in a practical and fast way, such as a vacuum cleaner, essential for cleaning operations at the end of the process, or the suction of the dust produced during the process.

## CONNECTION FOR VACUUM CLEANERS

There are two standard vacuum cleaner attachments on the TIGER SHARK S100. Activating the suction device during grinding minimizes the emission of dust into the surrounding environments as well as greatly benefiting the cleaning operations that take place at the end of processing or between one sample and another.



## LARGE LOADING HOPPER

With the aim of further reducing processing times, downtimes and the number of repeated actions, we have equipped the TIGER SHARK S100 with a 100-liter loading hopper that allows you to process large quantities of sample. The presence of a large plexiglass panel on the front side allows for visual access to the inside of the load compartment even from a distance.

## SAFETY FIRST

The TIGER SHARK S100 is equipped with active and passive safety systems. In addition to the emergency "STOP" button on the control panel, there are hinges that instantly stop the movement of the motor in case the user tries to access the blade compartment during processing. This makes it virtually impossible for accidents to occur.



## POWERFUL AND SILENT

The engine of the TIGER SHARK S100 is powerful and very quiet. This is because the rotation of the blades occurs at a very low speed. The system is also equipped with a sensor that detects any excessive resistance of the material being processed, activating the rotation in the opposite direction for a few seconds. This makes impossible a situation where the TIGER SHARK gets blocked.

# TIGER SHARK



## TECHNICAL SPECIFICATIONS

Power supply	230V/115 Volts 50-60Hz
Power absorption	2,2Kw
Dimensions and weight	120/90/60 cm H/L/W, 360 Kg
Load hopper volume	100 Ltr
Treatable materials	mixed wastes, plastics (hard and rubbery), glass, wood, textiles, sheet metal
Blades construction material	1.1750 manganese steel without release of heavy metals

Fulltech Instruments is a consolidated reality created in 2004. But we have been dealing with instrumentation and support since 1982. We can surely say that we can offer almost forty years of experience in sales, analytical support and specialized technical assistance.



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