



GREENBANK

MACHINERY & PLANT LTD



OPTICAL MULTITURN ABSOLUTE PROGRAMMABLE ENCODER TSM58P (PRNET IO &/OR ETHCAT)

Optical multiturn absolute encoder, solid shaft, with **PROFINET IO OR ETHCAT output interface**.
Absolute multiturn programmable encoder for industrial fieldbus application.

Body diameter (mm)	58
Shaft diameter (mm)	6,10
Singleturn	1,...,65535 ppr (up to 16 bit)
Number of turn	max. 4096 ppr (12 bit)
Total resolution	1,...,268435456 (28 bit) programmable
Code	binary
Protection degree	up to IP67
Output interface	PROFINET IO / ETHCAT

PRINTING & PAPER

solutions include the use of devices with multi-turn absolute cam bus, in this connection **Profibus and DeviceNet encoders** are especially used to simplify the wiring of the transducers, reduce costs associated to the wires and installation ensuring the dynamic performance of the systems.

MACHINE TOOLS / ELECTRICAL MOTORS / METAL PROCESSING

Incremental and absolute encoders find application on automatic or semiautomatic tools machines providing indications about the rotation speed of the spindles or axes feed processing and the absolute value of the position allowing the repeatability over time and the respect of the units of processing. (used on machines for molding and in particular on hydraulic, pneumatic and electric presses)

PACKAGING INDUSTRY

An important factor for systems that must run on a continuous 7 days a week 24 hours a day every day of the year. Currently Italsensor encoders have lifetimes of over 10 years, contributing to reduce the time associated with downtime.

FOOD INDUSTRY

Italsensor is able to produce transducers in accordance with current regulations and in particular can customize in a relatively short time very specific solutions for the final customer.

AUTOMATION/LIFT

For industrial automation **ITALSENSOR** offers a wide range of encoders able to satisfy all requirements - miniaturized incremental and absolute encoders. **ITALSENSOR** is able to develop customized solutions for larger diameters or to interconnect different systems or even for individual solutions as regards electrical / electronic system

WOODWORKING

The models of encoders used may be of the incremental type for controlling the drive speed of the laminae or the absolute type for the realization of cuts and machining on the rough wooden planks, encoders can be equipped with wheels and different materials