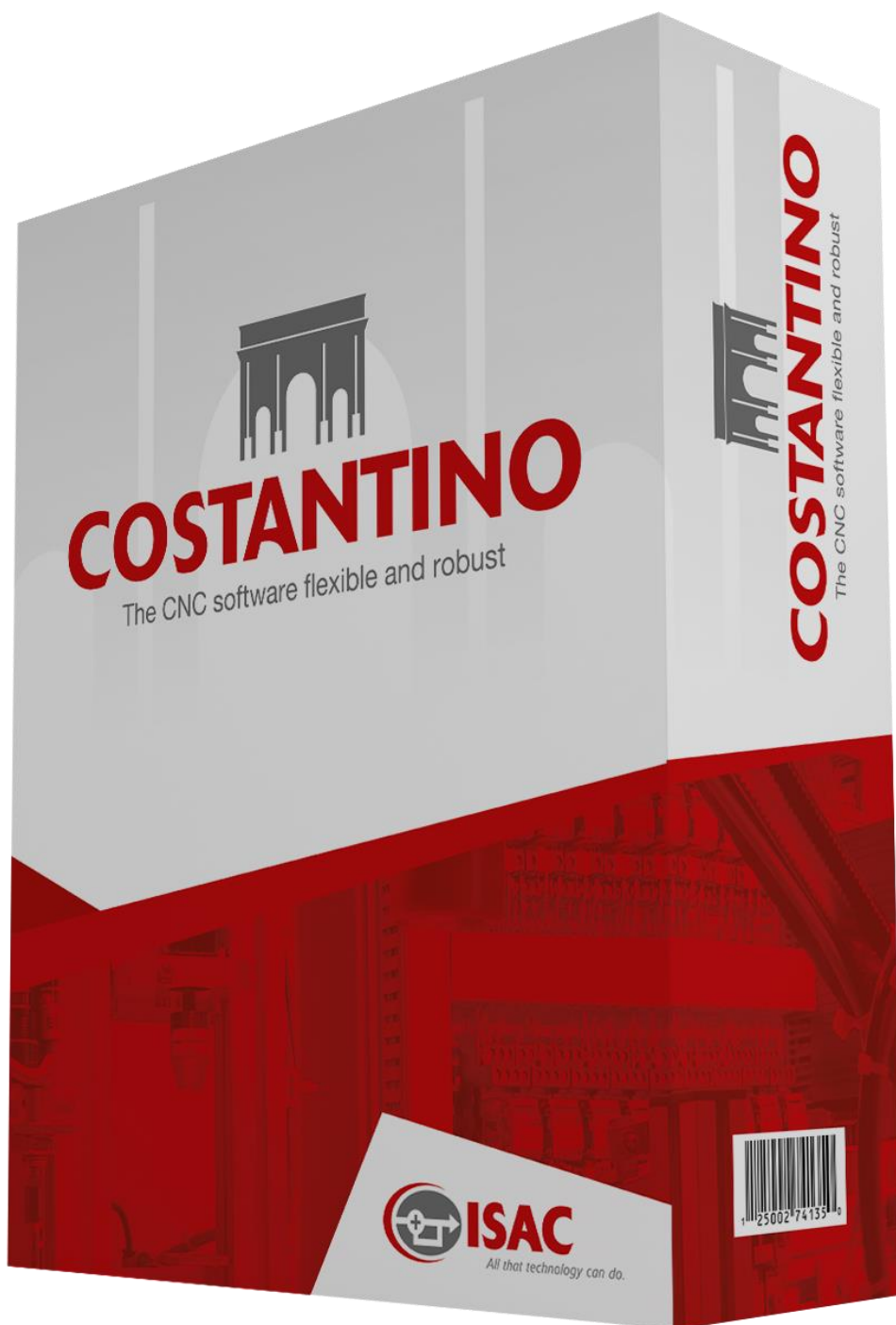









OUR 40-YEAR
EXPERIENCE
IN A SOFTWARE



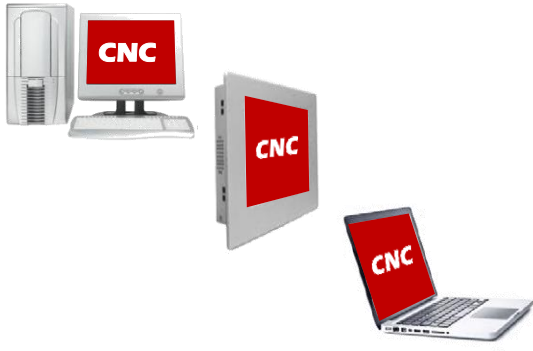
INDUSTRIAL CONNECTIONS

EtherCAT	
Profinet	
Modbus	
Mechatrolink I and II	
CANopen	
Analog	
Pulse direction	


COSTANTINO
The CNC software flexible and robust

 **ISAC**
All that technology can do.

THE IDEA: WE PROVIDE THE SOFTWARE, YOU CHOOSE THE HARDWARE



- TRANSFORM YOUR PC OR IPC IN A PERFORMING CNC
- FULL APPLICATIONS READY-TO-USE AND EASY TO ADAPT
- A COLLABORATIVE BUSINESS MODEL

THE TECHNOLOGY: ROBUST AND RELIABLE

- 1 OR 2 PROCESSORS DEDICATED TO REAL TIME TASKS
- DEDICATED MEMORY TO PAC/CNC
- UP TO 250 μ S INTERPOLATION TIME WITH μ S JITTERS
- UP TO 128 AXES CONTROLLED IN 8 INDEPENDENT INTERPOLATION CHANNELS
- THOUSANDS OF I/O SIGNALS PROCESSED
- IEC61131 PLC PROGRAMMING CODE
- COMPLIANT WITH PLCOPEN MC AND ISO6983 MOVEMENT DESCRIPTION STANDARDS



THE CONNECTIONS: KEEP YOUR CURRENT SERVOS AND INTERFACES



**EtherCAT
Bridge**



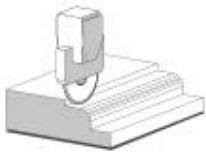
- EXPLOIT ETHERCAT BENEFITS KEEPING YOUR FAVOURITE SLAVE DEVICES
- POSSIBILITY OF MIXED NETWORKS
- UP TO 6 AXES CONTROLLED
- DIGITAL AND ANALOG I/O PROCESSED



FACT SHEET

FEATURES	COSTANTINO ISAC	MACH3 Artsoft	COLIBRI Twintech
SERVO INTERFACES	PULSE/DIR, ANALOG, MECHATROLINK, ETHERCAT, CANOPEN, PROFINET	PULSE/DIR	PULSE/DIR
ENCODER FEEDBACK	YES	NO	NO
JERK CONTROL IN TRAJECTORY	YES	NO	NO
HIGH SPEED MACHINING	YES	NO	NO
TANGENT AXIS	YES	NO	NO
MAX NR. OF AXES / NR. OF CHANNELS	128/8	6/1	4/1
RUNTIME VISUALIZATION	YES	YES	YES
MIN. DI/DO/AI/AO	32 OPTO-ISOLATED/32 MOSFET 2A/2 14BIT/2 16 BIT	4 NON ISOLATED /2 5V 20mA/0/0	8+10NON OPTO- ISOLATED/8 NPN 150MA/4 10BIT/I 8 BIT
EXPANDABLE	UP TO 1024DI/1024DO/64AI/64AO	NO	NO
REMOVABLE	UP TO 100MT (ETHERCAT), 500MT (CANOPEN)	NO	NO
PROGRAMMABLE PLC	IEC61131 + C	NO	NO
PROGRAM ROTO-TRANSLATION	YES	NO	NO
REAL TIME CAPABILITY	YES, 1-10US JITTER	NO	ONLY FOR INTERPOLATOR
CUSTOMIZABLE HMI	YES, SCADA, INTERNAL PANEL, .NET ETC.	NO	NO
RUNS IN A STANDARD PC	YES	NO REQUIRES ADDITIONAL HARDWARE	NO REQUIRES ADDITIONAL HARDWARE
DIFFERENT VENDORS FOR HARDWARE	YES, COMPATIBLE WITH ALL CANOPEN, ETHERCAT, PROFINET VENDORS	YES, ONLY MACH3 HARDWARE VENDORS	NO

READY-TO-USE APPLICATIONS

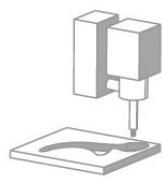


**STONE
MACHINING**

CNC FOR BRIDGE MILLING MACHINES WITH 4,
5 AND 6 AXES (TURNING)
MILL AND WATER JET

CNC FOR CUTTING ROUTERS THAT USE LASER,
PLASMA AND OXY FUEL SOURCES.

**THERMAL
CUTTING**

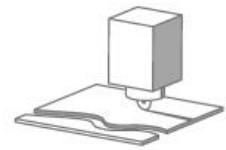


**WOOD
WORKING**

CNC FOR 3, 4, AND 5 AXES MACHINES.
MULTISPINDLE MACHINES WITH AGGREGATE TOOLS.
TURNING AND COPYLATHE

CNC FOR CUTTING TABLES AND ROUTERS, WITH
OR WITHOUT GRINDER, AND FOR MACHINING
CENTERS FOR MILLING AND CHAMFERING

**GLASS
CUTTING**

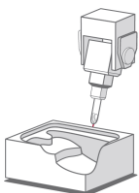
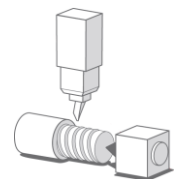


**TEXTIELS,
LEATHER AND
ADVERTISING MATERIALS**

CNC FOR CUTTING TABLES AND PANTOGRAPHS
THAT USE KNIFE, WHEEL CUTTER, WATER JET
AND LASER

CNC FOR 2 AND 3 AXES MACHINES
VERTICAL AND PARALLEL LATHE

TURNING



MILLING

CNC FOR 3 AND 5 AXES MACHINING CENTERS
HIGH SPEED MACHINING
ENGRAVING


COSTANTINO
The CNC software flexible and robust

 **ISAC**
All that technology can do.