

1st 2nd 3rd 4th

Grinding machines has been invented

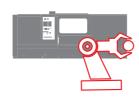
Zanrosso mass production of grinding machines

AZ implements CNC and mechatronics on grinding machines AZ grinding machines ready for Industry 4.0









What is AZ doing on Industry 4.0?



REDUCING TIME-TO-MARKET

Due to faster-changing all our customers ask products faster. In the past the big competitor heat the small one. Today the fast one is beting the slow one and AZ implemented these new solutions in order to be this faster one.



ENHANCING FLEXIBILITY

All our customers want tailored machines – but at the prices they'd pay for mass-produced machines. As a consequence, production has to be more flexible than ever before and here is where AZ has got its strenght-



INCREASING QUALITY

Customers reward high quality by recommending products on the Internet – and they punish poor quality the same way. To ensure high product quality and to fulfill legal requirements, AZ install closed-loop quality electronics parts because all our machine components have to be traceable.





T +390445575543 F +390445575756 email info@azspa.it



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INDUSTRY 4.0

AZ Smart Manufacturing













SERVICES	STATISTICS FREQUENCY*	INTERVENTION TIME				
		1-4 HOURS	72 HOURS	2-5 DAYS	5-8 DAYS	> 8 DAYS
HOTLINE Phone, Skype, Email, WhatsApp	35%					
TELESERVICE Wikibox, Teamviewer	23%					
SUPPLIER'S LOCAL SERVICE Siemens, Heidenhain, Marposs	32%					
SOFTWARE CUSTOMIZATION	22%					
REPLACEMENT OF MOTORS & ENCODERS	10%					
REPLACEMENT OF COMMERCIAL COMPONENTS	8%					
REPLACEMENT OF SPECIAL MECHANICAL COMPONENTS <u>AVAILABLE</u> IN AZ WAREHOUSE	3,2%					
REPLACEMENT OF SPECIAL MECHANICAL COMPONENTS NOT AVAILABLE IN AZ WAREHOUSE (exceptions)	0,8%					
	STATISTICS FREQUENCY*	56%	72%	21,2%	3,2%	0,8%

^{*}Statistics made by AZ after sales service in the last 6 years



AZ REMOTE ASSISTANCE ONLY



TECHNICIAN INTERVENTION



CNC TECHNICIAN INTERVENTION



AZ SPARE PARTS DELIVERY WITHOUT INTERVENTION



AZ SPARE PARTS DELIVERY AND TECHNICIAN INTERVENTION

wiki**box**®

WEBCAM MONITORING SYSTEM

Wikibox is monitoring system that allows to control remotely some parameters of the CNC machine. There is also a live video streaming solution built-in, to monitor what the machine is doing in realtime. The connection to builder's headquarter is made by a high strength secure encryption algorithm, using a VPN.

The main control panel allows the user to:
- control the logs of the CNC

- control the camera to do realtime video
- streaming
 do automated tasks to import logs of CNC control and transfer remotely