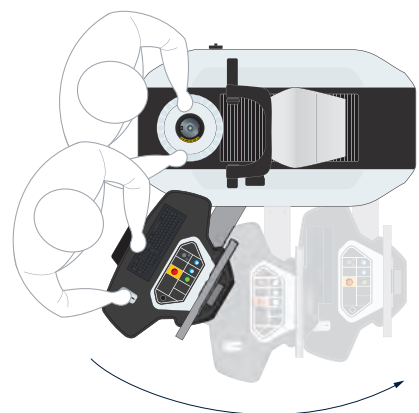


pneumatically activated axis movement	全軸向氣動式移動	●
fine adjustment X & Z axis	軸向微調X軸和Z軸	●
high precision ISO 50 integral spindle	高精度一體型主軸 ISO 50	●
spindle brake	主軸制動功能	●
integrated calibration master	整合式校正基準規	●
spindle concentricity	主軸精度	1µm
axis resolution	軸向精度	1µm
CNC unit for X, Z, A e Y	X, Z, Ae Y 全軸向 CNC 功能	○
autofocus spindle	自動對焦量測	○
universal spindle	主軸快換系統	○
adapter quick change system	轉換座快換系統	○
universal tool-holder clamping system F20 integrated	刀把夾持拉刀機構 F20	○

45X standard magnification	45倍標準放大鏡頭	●
episcopy front light system	LED 前端照明系統	●
centre height camera	固定式第二鏡頭	○
swing arm camera	可動式第二鏡頭	○

SIMPLE VISION control	SIMPLE VISION 標準軟體系統	●
EDGE 2.0 control	EDGE 2.0 軟體系統	○
EDGE Pro control	EDGE Pro 軟體系統	○

Post Processor	後處理器系統	○
integration to CAM and TMS	CAM和TMS整合系統	○
Integration with RFID systems	RFID整合系統	○

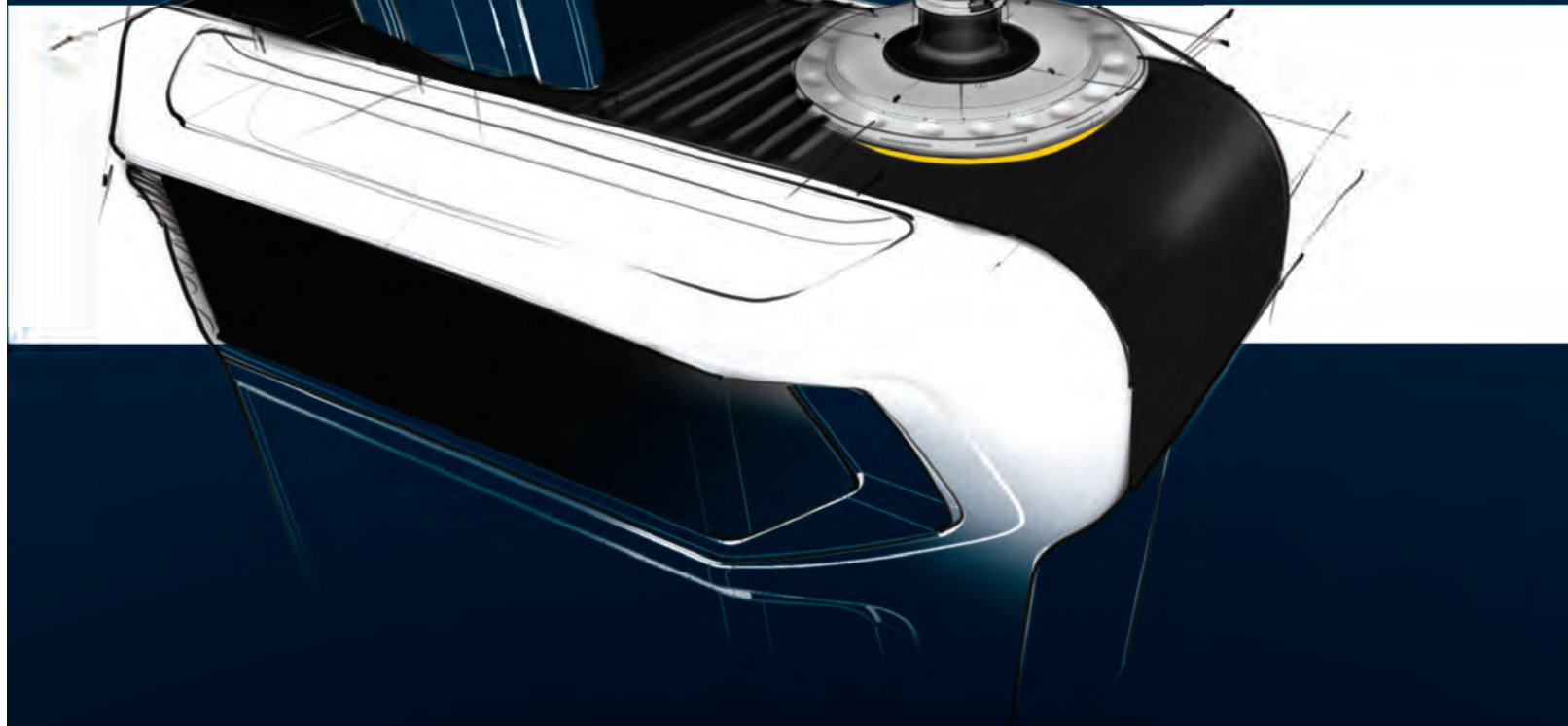
power supply (V)	電 源(V)	100 ÷ 230
power consumption (KVA)	耗電量(KVA)	0.5 ÷ 1.5
pneumatic requirements (Mpa)	氣 壓(Mpa)	0.5 ÷ 0.7

standard / 標配 ● option / 選配 ○

	STP 44	STP 46	STP 48	STP 64	STP 66	STP 68	STP 612	STP 84	STP 86	STP 88	STP 812	STP 124	STP 126	STP 128	STP 1212
max Ø	400	400	400	600	600	600	600	800	800	800	800	1200	1200	1200	1200
max H	400	600	800	400	600	800	1200	400	600	800	1200	400	600	800	1200
W	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
L	1300	1300	1300	1300	1300	1300	1300	1350	1350	1350	1350	1550	1550	1550	1550
H	1890	2090	2290	1890	2090	2290	2690	1890	2090	2290	2690	1890	2090	2290	2690

dimensions in mm / 單位：mm

750004265-01 / October 2018 · Speroni design



FUTURA
FUTURE PROOF TECHNOLOGY

The new STP FUTURA

Tool presetting and measuring system

is the expression of our 50 years of innovative technology. Based on key construction concepts which have always been copied but never equalled, the new STP FUTURA line introduces new levels of ergonomics, ease of use and precision in the field of tool presetting and measuring.

SPERONI STP FUTURA 全新影像處理式刀具設定儀 高精度來自於專業的設計 豐富的50年創新科技的智慧結晶。關鍵的機台結構總是領先業界，但至今依舊無人能超越。全新的STP FUTURA刀具設定儀 導入更符合人體工學的 操作模式、使用上更加便利以及提升刀具量測的精準度。

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菱鵬貿易股份有限公司
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台北總公司：新台北市三重區三和路四段111-33號六樓
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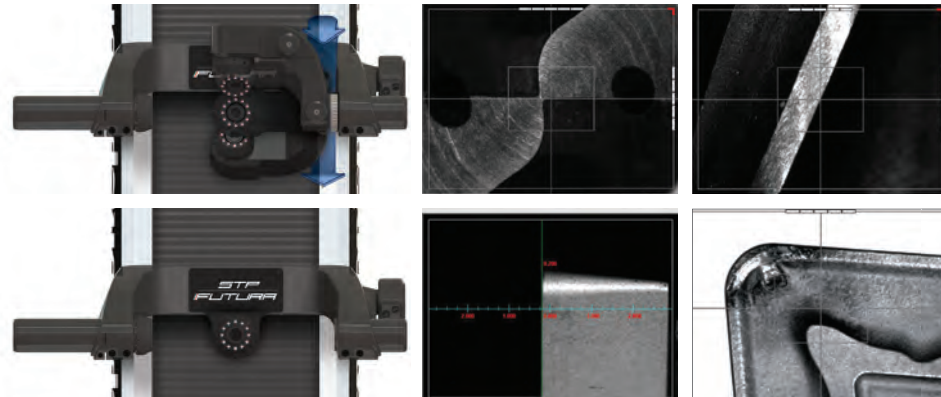
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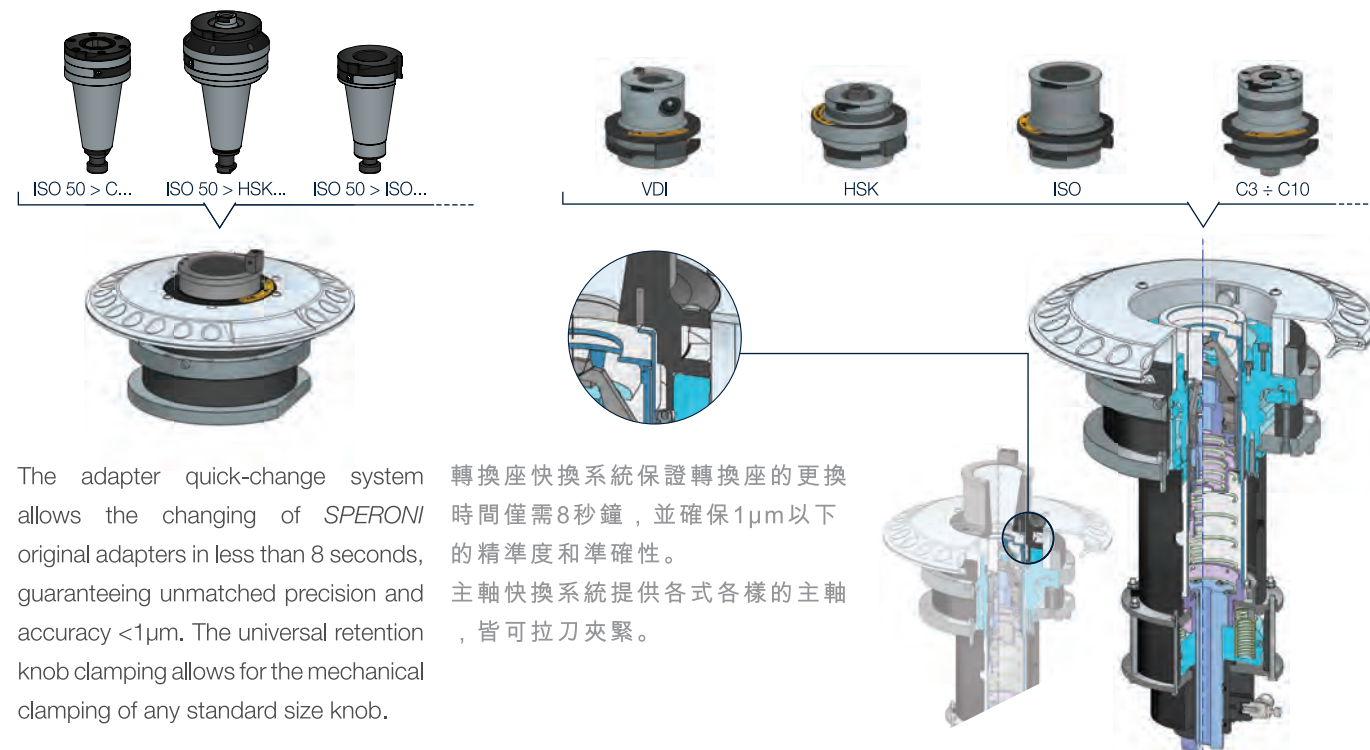
SINCE 1963

The modular design of the new STP FUTURA and the vast number of available configurations offer the right solution for every measuring need, guaranteeing at the same time full upgradability in the future as your company's needs grow.



The SPERONI - designed integrated episcopy front light system allows you to see and evaluate the wear conditions of your tools before they are utilized, thus avoiding costly breakdowns in operation.

The SEF - SPERONI Edge Finder - allows to evaluate all important tool parameters, such as radii, thicknesses, distances, etc.



The adapter quick-change system allows the changing of SPERONI original adapters in less than 8 seconds, guaranteeing unmatched precision and accuracy $<1\mu\text{m}$. The universal retention knob clamping allows for the mechanical clamping of any standard size knob.



FUTURA
FUTURE PROOF TECHNOLOGY

reddot award 2014
winner



Automatic Tool Families Measurement function
全自動模組化量測功能



Run-Out function / 多式偏擺量測功能

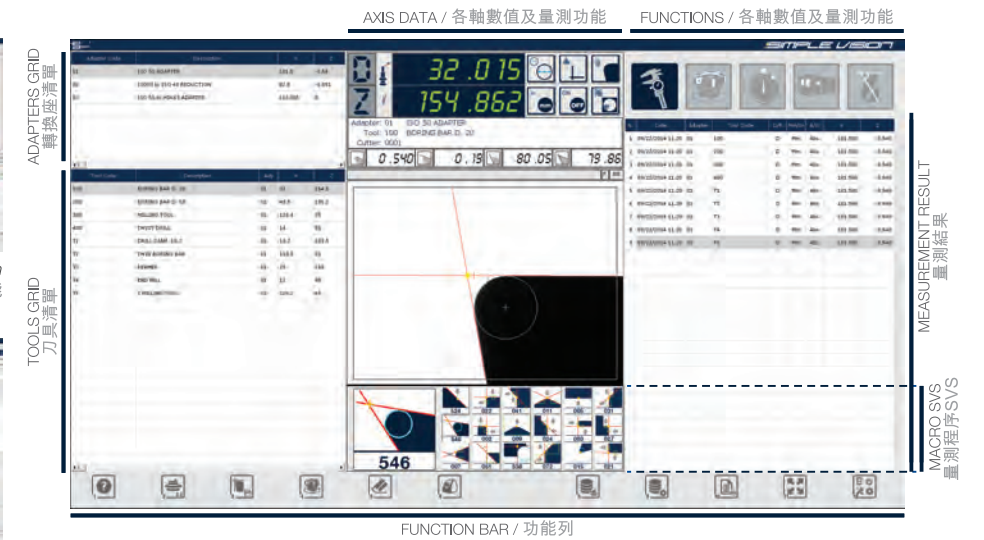


Scanning function / 掃描功能

THE INTELLIGENT TOOL ROOM FOR INDUSTRY 4.0
INTELLIGO
TOOL MANAGEMENT SOLUTION SOFTWARE



Tool Room layout / 工具室配置

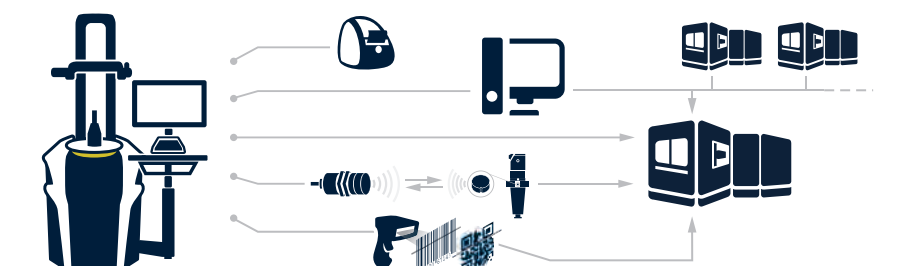


Three upgradable, easy to use controls and user interfaces can equip the new STP FUTURA. Designed and developed completely by SPERONI, the new SIMPLE VISION, EDGE 2.0 and EDGE Pro controls deliver the right solution for every tool presetting, measuring and tool management need.



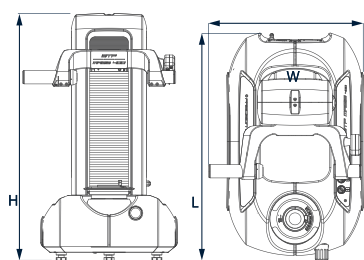
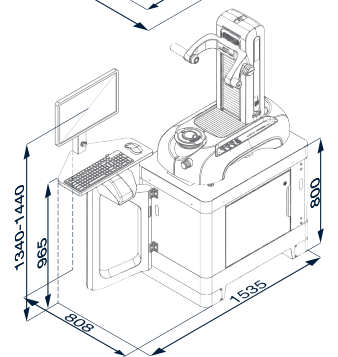
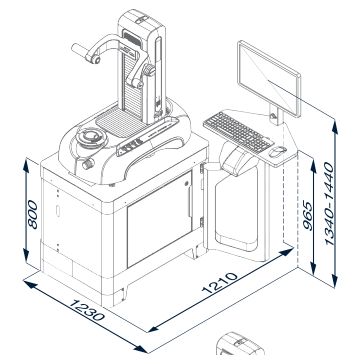
The all new INTELLIGO, Tool Management Solution Software for Industry 4.0 allows you to easily and comprehensively organize your cutting tool resources. Included are all functions for the optimization of tool-related shop-floor activities: warehouse management, locations management, cost management, tool assembly/disassembly management.

Advanced dialogue with NC machines is available via RFID systems, QR codes, network and more.



STP equipment, models and options may vary due to specific market or legal requirements. The data in this catalog is purely indicative. For technical or commercial reasons SPERONI spa may modify the models described at any time.

STP 刀具設定儀，型號和選配可能因特定市場或法律要求而有所不同。本目錄中的數據純粹是參考值。由於技術或商業原因，SPERONI 公司保留有不經預告可變更或修改的權利。



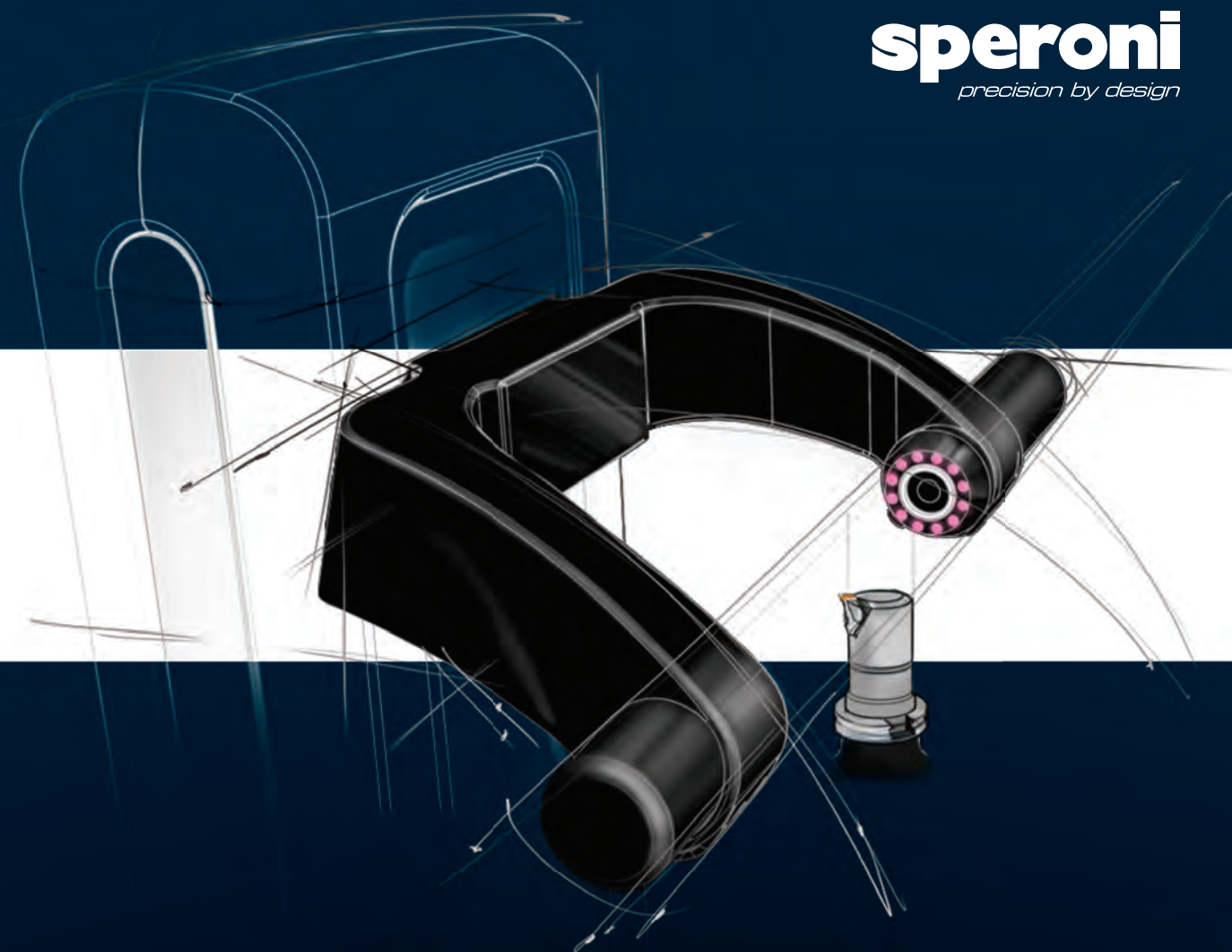
max H (mm)	量測高度(mm)	400	500	600
max Ø (mm)	量測直徑(mm)	350	350	350
snap gage (mm)	標準規(mm)	50	50	50
integral spindle ISO 50	標準一體型主軸ISO 50	●	●	●
spindle disk brake	主軸制動功能	●	●	●
integrated calibration master	整合式校正基準規	●	●	●
autofocus	自動對焦量測	○	○	○
pneumatically activated axis movement	全軸向氣動式移動	●	●	●
fine adjustment X & Z axis	軸向微調X軸 & Z軸	●	●	●
tool clamping system	刀把夾持拉刀機構	○	○	○
axis resolution	軸向精度	1µm	1µm	1µm
spindle concentricity	主軸精度	1µm	1µm	1µm
high definition camera 45X	45倍高解析光學鏡頭	●	●	●
episcopy front light system	LED前端照明系統	●	●	●
click & drag icon management	圖示管理系統	●	●	●
adapter security management	轉換座管理系統	●	●	●
LCD monitor 22"	22吋LCD螢幕	●	●	●
touch screen monitor	觸控式螢幕	○	○	○
SIMPLE VISION control	SIMPLE VISION標準軟體系統	●	●	●
EDGE 2.0 control	EDGE 2.0 軟體系統	○	○	○
EDGE Pro control	EDGE Pro 軟體系統	○	○	○
H - mm	機台高度(mm)	916	1017	1119
L - mm	機台長度(mm)	852	852	852
W - mm	機台寬度(mm)	583	583	583
system weight - Kg	機台重量(Kg)	200	230	260
power supply (V)	電 源 (V)	100 ÷ 230	100 ÷ 230	100 ÷ 230
power consumption (KVA)	耗電量(KVA)	0.5	0.5	0.5
pneumatic requirements (Mpa)	氣 壓 (Mpa)	0.5 ÷ 0.7	0.5 ÷ 0.7	0.5 ÷ 0.7

standard / 標配 ● option / 選配 ○

750001190-01 / October 2018 - Speroni design



speroni
precision by design



MAGIS
elegantly simple

The new SPERONI STP MAGIS

Tool presetting and measuring system

has revolutionized the value of entry level tool measurement. The innovative **SIMPLE VISION** control delivers all of the needed measuring features and functions in a user friendly, clean and trouble-free single screen user interface.

SPERONI STP MAGIS 全新影像處理式刀具設定儀 高精度來自於專業的設計 徹底 變了入門型刀具設定儀的量測價值。創新的SIMPLE VISION軟體為使用者提供更便利，更簡單的操作模式在零故障的操作界面中提供了客戶需要的量測特性 和功能。



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SINCE 1963

Since 1963 SPERONI has dedicated its design efforts to provide fundamentally sound solutions in order to generate the most value for its end users. Precision and ease of use are some of the features of the innovative designed driving system of STP MAGIS CNC: together with the optional Autofocus Spindle, you can now automatically execute measuring cycles by adding speed and operator independent precision to your measurements.

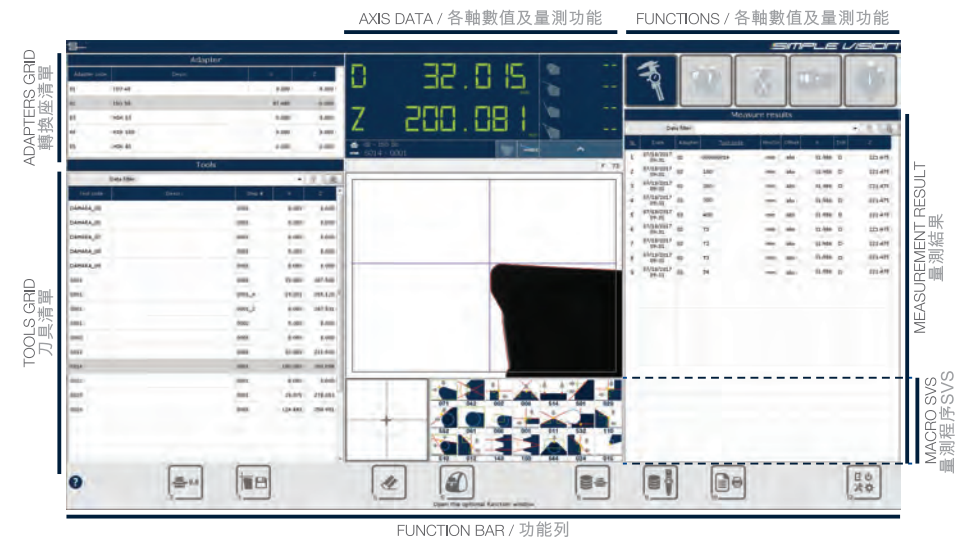
自1963年以來，SPERONI公司致力於提供給客戶最好的刀具量測解決方案，為客戶帶來最大的生產效益。

STP MAGIS CNC 創新設計的主軸自動驅動系統。

特點：
配合主軸自動對焦功能一起使用，實現自動化的量測。為您節省刀具量測時間，以及提供更精準的量測結果。



MAGIS
elegantly simple



The new SIMPLE VISION control is the most intuitive and easy to use vision system on the market today. Automatic Run-Out, MaxP, Dial Indicator, Base Post Processor, Basic Tool Data Management and a powerful online help function are only some of the features included in the new SIMPLE VISION control which guarantee an easy and trouble-free use.

SIMPLE VISION是目前市場上能讓使用者用直覺的方式即可容易上手操作的系統。
自動量測功能，最大值量測功能，量錶式量測功能，基本的後處理傳輸，刀具數值管理和強大的線上服務，只是包含在新軟體中的一部分而已，有了服務能讓使用者輕鬆無顧慮的量測刀具。

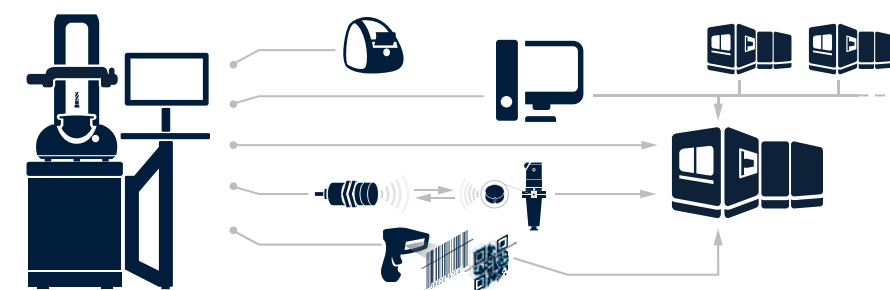
THE INTELLIGENT TOOL ROOM FOR INDUSTRY 4.0
INTELLIGO
TOOL MANAGEMENT SOLUTION SOFTWARE



The all new INTELLIGO, Tool Management Solution Software for Industry 4.0 allows you to easily and comprehensively organize your cutting tool resources. Included are all functions for the optimization of tool-related shop-floor activities: warehouse management, locations management, cost management, tool assembly/disassembly management. Advanced dialogue with NC machines is available via RFID systems, QR codes, network and more.

SPERONI公司全新開發的『INTELLIGO』刀工具管理系統是針對工業4.0的完美解決方案，能將刀把、刀具及工具做全面性組織管理的刀具管理軟體。
包括刀具的優化，工作站排程的所有功能：倉儲管理，位置管理，成本管理，工具組裝/拆卸管理。

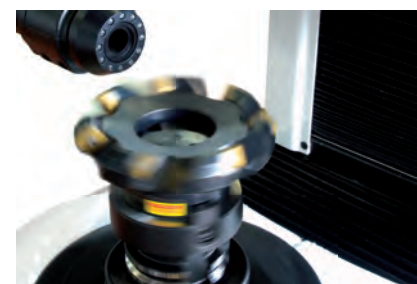
可透過RFID系統，QR碼，區域網路等與NC機台進行高整合性連結。



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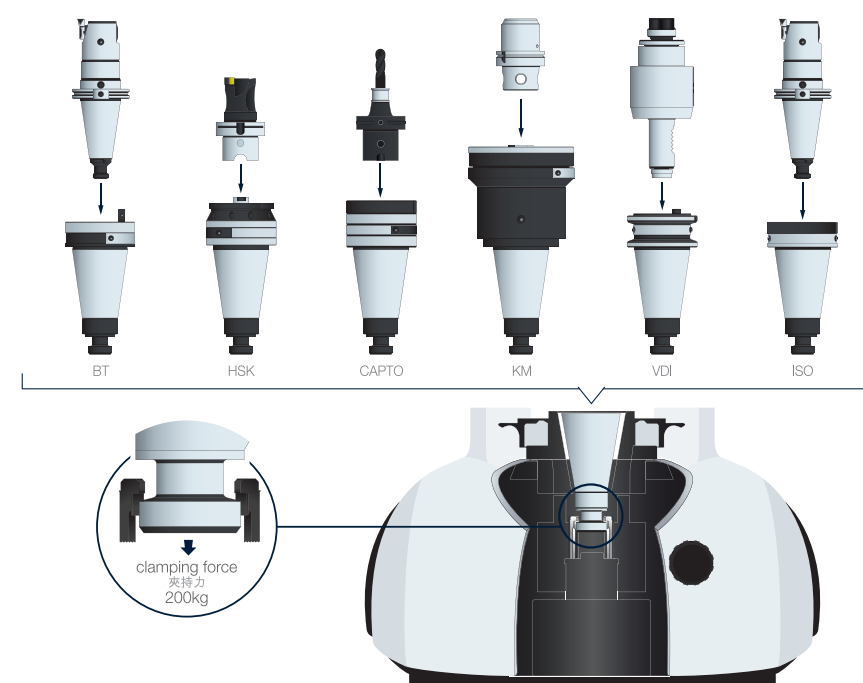


STP MAGIS CNC / STP MAGIS CNC機型



Autofocus Spindle / 主軸自動量測功能

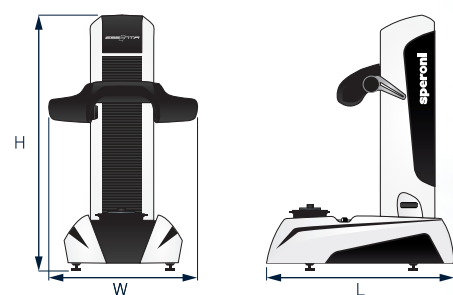
Proprietary design of STP MAGIS RKC 『STP MAGIS RKC』主軸系統和原創『SPERONI AIC』轉換座，都附有自動拉刀功能。
Clamping system.



Symmetric and captivating design for maximum ergonomics; made of aged cast iron and equipped with a 5 guideway system, Heidenhain® glass scales and SPERONI high precision 50 taper rotating spindle with integrated calibration edge.

美觀對稱的設計、符合人體工學的操作模式。

機台材質為經長期曝曬穩定的鑄鐵製成，配附5個線性滑軌和海德漢光學尺、以及SPERONI專有高精度一體型 ISO 50 主軸和校正基準規。



axis travel	軸向行程	X	150 mm
		Z	400 mm
measuring range	量測範圍	Ø	300mm - X
		H	400mm - Z
axis resolution	軸向精度		1µm
H - mm	H - mm		935
L - mm	L - mm		715
W - mm	W - mm		565
system weight - Kg	機台重量-kg		90



750004450-00 / March 2018 · Speroni design



STP
ESSENTIA

The new STP ESSENTIA

Tool presetting and measuring system

The all new SPERONI STP ESSENTIA is our new entry-level Tool Presetting and Measuring system. Its robust structure and user-friendly software interface allow customers to benefit from a basic, essential unit with a tangible, long-lasting performance.

STP ESSENTIA是SPERONI公司全新研發的入門型刀具設定儀和量測系統。堅固耐用的本體結構和淺顯易懂的操作介面，使客戶可從基本的量測功能中獲取最大的利益。



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SINCE 1963

STP
ESSENTIA



With the new *SPERONI ESSENTIA* you can efficiently measure tools, easily and independently of the operator achieving full machining productivity. Robust, space-saving, and long-lasting, ready to deliver quality results right beside your CNC machine.

全新的SPERONI ESSENTIA刀具設定儀，使用者可以輕鬆且精準的量測刀具，實現工作效率的提升。堅固耐用，節省空間，隨時為您提供CNC機台所需的刀具數據。



manual measurement
手動量測



RunOut function
多刃刀具偏擺量測功能



measuring icons library
量測程序資料庫



incident light
實體顯影功能



post processor
後處理傳輸功能

Clear, concise and easy to use control specifically designed in order to optimize all tool presetting & measuring operations. An attractive multi-touch display efficiently complements *STP ESSENTIA*'s design and ergonomics. Tool presetting essence delivered on a Windows™ OS PC based display & sensor system with high definition camera. 簡潔的介面淺顯易懂、操作簡單，將刀具設定儀優化了是最佳的設計。靈敏的多點觸控螢幕儀及人體工學設計提高了STP ESSENTIA的量測效率。本刀具設定儀標配有Windows™OS電腦及高解析的相機鏡頭和傳感系統。

