

HAIMER.
Quality Wins.

POWER CLAMP i4.0

Shrinking technology
Industry 4.0-ready

燒結技術的工業 4.0



POWER CLAMP i4.0

燒結技術的工業4.0

SHRINKING TECHNOLOGY INDUSTRY 4.0-READY

因為新Power Clamp i4.0系列上市，Haimer為製造領域的工具和機器間的數位連接和通信設立了新的標準。

所有Power Clamp i4.0燒結機系列都擁有以下的特點：

- 7吋觸控螢幕與全新直覺式簡易的操作軟體
- 符合工業4.0與網路串連需求
- 掃描器從Data-Matrix代碼讀出燒結參數，實現最簡單的自動燒結(選配)
- 專利的NG線圈，適合刀具尺寸從 \varnothing 3-32mm

With the new Power Clamp i4.0 series HAIMER is setting new standards regarding digital connectivity and communication of tools and machines in the world of manufacturing.

All Power Clamp i4.0 shrink fit machines are equipped with the following features:

- 7"-Touch-Display and new intuitive software for simplified usability
- Network-compatible and industry 4.0-ready for communication in the shopfloor
- Scanner to readout shrinking parameters from Data-Matrix codes for easiest automatic shrinking (optional)
- Patented NG-coil for tool diameters from 3-32 mm

觸控顯示

- 7吋觸控螢幕與全新的操作軟體
- 友善的使用介面
- 圖形化功能
- 清楚的圖示與大字型
- 彩色顯示
- 防水、防刮、堅固耐用

Touch-Display

- 7" Touch-Display and new intuitive software
- User-friendly Interface
- Illustrated functions
- Clear symbols, large font
- Robust color display
- Water, scratch and impact resistant



POWER CLAMP i4.0

COOLING i4.0

COOLING i4.0

POWER CLAMP PREMIUM i4.0

訊號提醒正確冷卻時間的接觸式冷卻系統

- 快速冷卻
- 自動發出正確冷卻時間的訊號，可輕鬆、快速和安全地冷卻
- 冷卻時間：大約30秒
- 刀桿維持乾燥，不易生鏽
- 通過均勻冷卻，輕鬆冷卻，夾頭也保持相同的徑向偏擺
- 受熱地方都被覆蓋著，沒有受傷的風險

Contact cooling with signaling of the right cooling station

- Cooling body for rapid cooling
- Automatic signaling of the right cooling station for easy, fast and safe cooling
- Cooling in record time: approx. 30 s
- Tool holders remain dry, no build-up of rust
- Gentle handling of chuck by even cooling; run-out accuracy is maintained
- Hot points are always covered; no risk of injury



POWER CLAMP SPRINT i4.0

無論刀桿外型如何，都能冷卻

- 適用所有刀桿的冷卻套，不需更換冷卻套尺寸
- 節能、平穩、乾淨的冷卻，無污垢和水殘留
- 含有溫度控制的智能冷卻系統

Cooling regardless of the outside contour

- One fits all – cooling for all kind of cutting tools; no more selecting of cooling bodies
- Save, smooth and clean cooling without dirt and water residue
- Intelligent cooling system with temperature control





此圖為80.180.00NG包含選配的刀
具長度設定功能
Picture shows 80.180.00NG with
optional length presetting

符合人體工程學的高階刀桿燒結機，採用優良的工業設計，整合接觸式冷卻，適用於所有全碳化鎢和高速鋼切削刀具。可實現完美刀桿燒結處理和同時最多5組冷卻系統。

- 含有工作台
- 7吋觸控螢幕與全新操作軟體
- 符合工業4.0與網路串連需求
- 功率：13kW
- 電壓：3相/400~480V · 16A
- 適用刀具：直徑 \varnothing 3-32mm的全碳化鎢和高速鋼
- 搭配新一代高效能燒結線圈
- TME智能冷卻系統，可溫度控制
- 整合5組冷卻水套
- 安裝線性滑軌的冷卻水套，可自動發出正確冷卻的訊號，實現輕鬆、快速、安全的冷卻
- 不會損壞切削刀具的刃口
- 包含快速冷卻管理功能
- 包含2個刀具底座和2個刀桿支撐座
- 工作台內建抽屜
- 掃描器從Data-Matrix代碼讀出燒結參數，實現最簡單的自動燒結(選配)
- 刀具長度設定功能(選配)

Ergonomic high-end shrink station in new, premium quality industry design with integrated contact cooling for all cutting tools (solid carbide and HSS) and for perfect handling and simultaneous cool-down at max. five cooling stations.

- Available only in combination with base cabinet
- With 7"-Touch-Display and new intuitive software
- Network-compatible and industry 4.0-ready
- Power: 13 kW
- Mains voltage: 3x400-480V, 16 A
- Tools: solid carbide and HSS from \varnothing 3-32 mm
- With NG coil
- TME Intelligent Cooling System with temperature control
- Integrated contact cooling with five cooling bodies
- Linear guided cooling bodies with automatic signaling of the right cooling station for easy, fast and safe cooling
- No damage at the edges of the cutting tool
- Incl. Speed Cooler and Cooling Manager
- Incl. 2 precision base holders and 2 precision chuck supports
- Integrated drawer in base cabinet
- Scanner to readout shrinking parameters from Data-Matrix codes for easiest automatic shrinking (optional)
- Length presetting (optional)

技術資料/Technical details

訂購編號./Order No.

Power Clamp Premium i4.0		80.180.00NG
電壓/Mains voltage	3相/400-480V, 16A, 13kW	
適用刀具/Tools	全碳化鎢和高速鋼刀具	
刀具直徑/Tool diameter	\varnothing 3-32mm	
最大刀長/Maximum Length of shrink fit chuck	535 mm	
機器尺寸/Dimensions WxDxH	1340x914x1816 mm	
重量/Weight	535kg (包含工作台)	

相關配件/Accessories

掃描器從Data-Matrix代碼讀出燒結參數/Scanner to readout shrinking parameters from Data-Matrix codes	80.185.01
精密支撐盤/Precision chuck support	
精密支撐座/Precision base holder for chuck support	80.131.00
刀具長度設定功能/Length presetting	80.188.00
輔助煙霧淨化裝置/Auxiliary Fume Extraction Unit	80.101.02NG.03



此圖為80.180.20NG包含選配的刀
具長度設定功能
Picture shows 80.180.20NG with
optional length presetting

符合人體工程學的高階刀桿燒結機·採用優良的工業設計·整合接觸式冷卻·適用於所有全碳化鎢和高速鋼切削刀具。

- 含有工作台
- 7吋觸控螢幕與全新操作軟體
- 符合工業4.0與網路串連需求
- 功率：13kW
- 電壓：3相/400~480V·16A
- 適用刀具：直徑 ϕ 3-32mm的全碳化鎢和高速鋼
- 搭配新一代高效能燒結線圈
- 適合各種燒結刀桿與燒結夾頭·不受限於任何的外部輪廓·透過空氣噴嘴與噴霧·不殘留污垢和水。
- 溫度控制·優化和安全冷卻
- 不會損壞切削刀具的刃口
- 包含2個刀具底座和2個刀桿支撐座
- 工作台內建抽屜
- 掃描器從Data-Matrix代碼讀出燒結參數·實現最簡單的自動燒結(選配)
- 刀具長度設定功能(選配)

Ergonomic shrink station in new, premium quality industry design with integrated cooling for all kind of cutting tools (solid carbide and HSS) in record time

- Available only in combination with base cabinet
- With 7"-Touch-Display and new intuitive software
- Network-compatible and industry 4.0-ready
- Power: 13 kW
- Mains voltage: 3x400-480V, 16A
- Tools: solid carbide and HSS from ϕ 3-32 mm
- With NG coil
- Smooth and clean cooling of all kind of shrink fit chucks and shrink fit collets regardless of the outside contour by air nozzles and drizzle - without dirt and water residue
- Temperature control for optimized and safe cooling
- No damage at the edges of the cutting tool
- Incl. 2 precision base holders and 2 precision chuck supports
- Integrated drawer in base cabinet
- Scanner to readout shrinking parameters from Data-Matrix codes for easiest automatic shrinking (optional)
- Length presetting (optional)

技術資料/Technical details

Power Clamp Sprint i4.0

電壓/Mains voltage	3相/400-480V, 16A, 13kW
空壓/Compressed Air	6 bar
適用刀具/Tools	全碳化鎢和高速鋼刀具
刀具直徑/Tool diameter	ϕ 3-32mm
最大刀長/Maximum Length of shrink fit chuck	535 mm
機器尺寸/Dimensions WxDxH	1340x962x2560 mm (最高工作高度) 1340x962x1960 mm (最高運送高度)
重量/Weight	550 kg

訂購編號./Order No.

80.180.20NG

相關配件/Accessories

掃描器從Data-Matrix代碼讀出燒結參數/Scanner to readout shrinking parameters from Data-Matrix codes	80.185.01
精密支撐盤/Precision chuck support	
精密支撐座/Precision base holder for chuck support	80.131.00
刀具長度設定功能/Length presetting	80.188.00
輔助煙霧淨化裝置 /Auxiliary Fume Extraction Unit	80.101.02NG.03



因為新Power Clamp i4.0系列上市，Haimer為製造領域的工具和機器間的數位連接和通信設立了新的標準。

7吋觸控螢幕與全新直覺式簡易的操作軟體

使用最新一代HD線圈可燒結最大 \varnothing 50mm的重型燒結刀桿(選配)

- 符合工業4.0與網路串連需求
- 7吋觸控螢幕與全新操作軟體
- 搭配新一代高效能燒結線圈
- 三孔迴旋式刀具座
- 含接觸式高效率冷卻
- 包含快速冷卻管理功能
- 含一個適用於迴旋式刀具座的刀桿支撐盤
- 內建迴轉式零件盒
- 功率：13kW
- 電壓：3相/400~480V · 16A
- 適用刀具：直徑 \varnothing 3-32mm的全碳化鎢和高速鋼
- 掃描器從Data-Matrix代碼讀出燒結參數，實現最簡單的自動燒結(選配)
- TME智能冷卻系統(選配)

With the new Power Clamp i4.0 series HAIMER is setting new standards regarding digital connectivity and communication in the world of shrink technology.

A 7"-Touch-Display and a new intuitive software provide simplified usability.

Upgrade possible with HD coil for shrinking of Heavy Duty Shrink Chucks up to \varnothing 50 mm (on option)

- Network-compatible and industry 4.0-ready
- With 7"-Touch-Display and new intuitive software
- With intelligent NG coil
- Rotary table with 3 stations
- With integrated contact cooling
- Incl. Cooling Manager
- With 1 chuck support for rotary table
- With craning boxes
- Power: 13 kW
- Mains voltage: 3x400-480V, 16A
- Tools: solid carbide and HSS from \varnothing 3-32 mm
- Scanner to readout shrinking parameters from Data-Matrix codes for easiest automatic shrinking (optional)
- TME Cooling System (optional)

技術資料/Technical details

訂購編號./Order No.

Power Clamp Comfort i4.0

80.100.20NG.3

電壓/Mains voltage	3相/400-480V, 16A, 13kW
適用刀具/Tools	全碳化鎢和高速鋼刀具
刀具直徑/Tool diameter	\varnothing 3-32mm
最大刀長/Maximum Length of shrink fit chuck	570 mm
機器尺寸/Dimensions WxDxH	850x660x970 mm
重量/Weight	115 kg

相關配件/Accessories

掃描器從Data-Matrix代碼讀出燒結參數/Scanner to readout shrinking parameters from Data-Matrix codes	80.185.00
精密支撐盤/Chuck support for rotary table	
Power Clamp Comfort NG 13kW 新一代線圈升級包/Upgrade Kit 13 kW HD coil for Power Clamp Comfort NG	80.151.30.10
輔助煙霧淨化裝置/Auxiliary Fume Extraction Unit	80.101.02NG.01
工作桌/System Cart	80.124.00.4
適用13kW的TME智能冷卻系統(選配)/TME Cooling System for 13 kW machines (optional)	80.105.19.00



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7吋觸控螢幕與全新直覺式簡易的操作軟體

使用最新一代HD線圈可燒結最大 ϕ 50mm的重型燒結刀桿(選配)

- 符合工業4.0與網路串連需求
- 7吋觸控螢幕與全新操作軟體
- 內建刀長設定裝置
- 搭配新一代高效能燒結線圈
- 單孔刀具座
- 含接觸式高效率冷卻
- 包含快速冷卻管理功能
- 包含2個刀具底座和2個刀桿支撐座
- 內建迴轉式零件盒
- 功率：13kW
- 電壓：3相/400~480V · 16A
- 適用刀具：直徑 ϕ 3-32mm的全碳化鎢和高速鋼
- 掃描器從Data-Matrix代碼讀出燒結參數，實現最簡單的自動燒結(選配)
- TME智能冷卻系統(選配)

With the new Power Clamp i4.0 series HAIMER is setting new standards regarding digital connectivity and communication in the world of shrink technology.

A 7"-Touch-Display and a new intuitive software provide simplified usability.

Upgrade possible with HD coil for shrinking of Heavy Duty Shrink Chucks up to ϕ 50 mm (on option)

- Network-compatible and industry 4.0-ready
- With 7"-Touch-Display and new intuitive software
- With vertical stop for length presetting
- With intelligent NG coil
- Single chuck version
- With integrated contact cooling
- Incl. Cooling Manager
- With 2 precision base holders and 2 precision chuck supports
- With craning boxes
- Power: 13 kW
- Mains voltage: 3x400-480V, 16 A
- Tools: solid carbide and HSS from ϕ 3-32 mm
- Scanner to readout shrinking parameters from Data-Matrix codes for easiest automatic shrinking (optional)
- TME Cooling System (optional)

技術資料/Technical details

訂購編號/Order No.

Power Clamp Preset i4.0

80.130.20NG.3

電壓/Mains voltage	3x400-480 Volt, 16 Ampere, 13 kW
適用刀具/Tools	全碳化鎢和高速鋼刀具
刀具直徑/Tool diameter	3-32 mm
最大刀長/Maximum Length of shrink fit chuck	570 mm
機器尺寸/Dimensions WxDxH	860x660x970 mm
重量/Weight	115 kg

相關配件/Accessories

掃描器從Data-Matrix代碼讀出燒結參數/Scanner to readout shrinking parameters from Data-Matrix codes	80.185.00
精密支撐盤/Precision chuck support	
Power Clamp Comfort NG 13kW 新一代線圈升級包/Upgrade Kit 13 kW HD coil for Power Clamp Comfort NG	80.151.30.10
輔助煙霧淨化裝置/Auxiliary Fume Extraction Unit	80.101.02NG.01
工作桌/System Cart	80.124.00.4
適用13kW的TME智能冷卻系統(選配)/TME Cooling System for 13 kW machines (optional)	80.105.19.00

HAIMER®

Quality Wins.

刀具管理系統

Tool Management Logistics

刀具技術

Tooling Technology

量測技術

Measuring Technology

燒結技術

Shrinking Technology

動平衡技術

Balancing Technology



JIMMORE
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