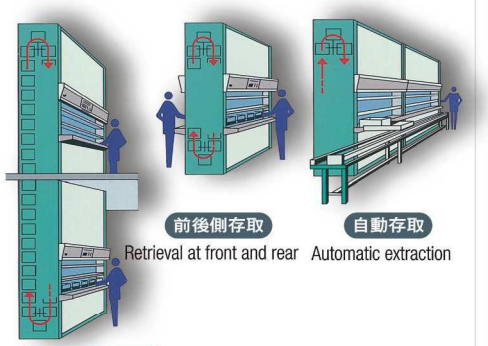
# 德國HÄNEL自動倉儲機
## 垂直旋轉Rotomat系列(工業機型)

**Hanel Rotomat 工業機型尺寸規格表**

| Model 型號 | Max. useful load per shelf 儲架最大負荷 kg | Max. useful load per unit 主機最大負荷 kg | Shelf depth 儲架深度 mm | Shelf width 儲架寬度 mm | Unit width 主機寬度 mm | Unit depth 主機深度 mm |
|---|---|---|---|---|---|---|
| 200-970 | 270 | 4,320 | 470 | 1,415 | 1,900 | 1,260 |
| 900/100 | 150 | 3,000 | 370 | 2,260/2,855 | 2,600/3,270 | 1,000 |
| 900/115 | 150/180 | 3,000 | 415 | 2,243/2,838 | 2,600/3,270 | 1,155 |
| 900/125 | 150 | 3,000 | 470 | 2,243/2,847 | 2,600/3,280 | 1,255 |
| 936 | 250 | 6,000 | 630 | 2,915 | 3,420 | 1,615 |
| 946 | 330 | 6,000 | 630 | 2,915 | 3,420 | 1,615 |
| 950 | 400 | 10,000 | 416 | 2,870 | 3,420 | 1,250 |
| 956 | 340 | 10,000 | 640 | 2,870 | 3,420 | 1,670 |
| 970 | 250 | 6,000 | 445 | 2,915 | 3,420 | 1,250 |
| 980 | 600 | 14,000 | 505 | 2,750 | 3,420 | 1,475 |
| 985 S | 750 | 14,000 | 505 | 2,750 | 3,420 | 1,600 |
| 985 | 500 | 14,000 | 620 | 2,750 | 3,420 | 1,720 |
| 990 | 250 | 10,000 | 640 | 2,870 | 3,420 | 1,670 |



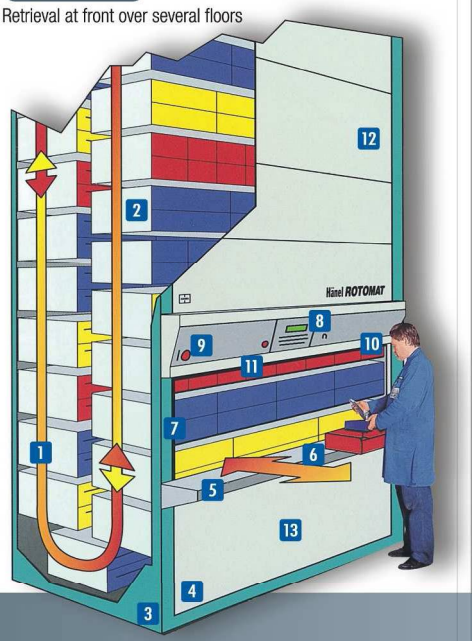
前後側存取
Retrieval at front and rear

自動存取
Automatic extraction

前側多樓層存取
Retrieval at front over several floors

## Hanel Rotomat 工作原理

1. Carriers attached to the rotatingmechanism 在旋轉機構上連接的儲架
2. Multifunction carrier for variable applications 多功能儲架
3. Drive system housed internally 內置式驅動馬達
4. Soft startcontrol using 3 phasemotors 平穩的三相AC馬達
5. Retrieval over stainless steel work counter (high gradesteel) 不鏽鋼的工作台
6. Hanel safety threshold 安全裝置
7. Lightbarriers of BWS-S design BWS-S光柵安全裝置
8. Hanel microprocessor control unit 微處理器控制單位
9. Wiring cabinet 電氣箱
10. Multifunction positioning system 多功能定位系統
11. Lockablesliding doors 可上鎖滑動門
12. Environmentally friendly powder-coat finish 環保塗裝
13. Maintenance access conveniently positioned at the front 維修門



1. Optimum utilization of floor space. The termupward mobility takes on a new meaning with theRoternat®!
2. TheHotomat® is asflexible as you need it. Units can stretch over several floors!
3. Goods to user is themotto, not user to goods. Personnel costs and cycle times can be reduced!
4. High-performancecontrol units ensure that the Rotomat® can beput to use flexibly and on an individual basis!
5. The required parts or files are brought to the ergonomically positioned retrieval point at a touch of a button!
6. Safety is considered of paramount importance. No climb ing ladders; nodangerfor accidents!
7. The Rotomat® protects all documents and parts fromdust, light andunauthorized access!

**Hanel Rotomat工業機型**依照經過驗證後的垂直旋轉原理設計，自動將貨物送到操作人員所處位置，這種方式縮短了操作人員存取貨物的時間。緊湊的結構設計，儲存系統可以利用整個庫房高度，在最小的佔地情況下發揮最大的儲存能力。利用這種設計可提高超過60%的儲存能力，這種方式大幅降低了儲存成本。

**特性：**

1. 節省地面面積，Rotomat可向上擴展儲存空間。
2. Rotomat的配置極其靈活，儲存設備可擴展到幾層樓高。
3. 以物就人而不是以人就物，因此可以縮減人工費用及存取貨物的時間。
4. 高性能的控制系統保證Rotomat運轉靈活可靠。
5. 合乎人體工學的設計，使用者只需按一個按鈕就可以存取貨物。
6. 完善的安全設計使操作者無危險之慮。
7. Rotomat保護儲存其中的文件及物品免受灰塵光線的侵害並且保證其不會被任意存取。

# 德國HÄNEL自動倉儲機
## 垂直旋轉Rotomat系列(事務機型)

**Hanel Rotomat 事務機型尺寸規格表**

| Model 型號 | Max. useful load per shell 儲存最大負荷 kg | Shelf depth 儲架深度 mm | Shelf width 儲架寬度 mm | Unit depth 主機深度 mm | Unit width 主機寬度 mm |
|---|---|---|---|---|---|
| 200 | 150 | 350 | -NA- | 1,000+280 | 1,780 |
| 300 | 150 | 350 | 2,260<br>2,855 | 1,000+280 | 2,600<br>3,270 |
| 400 | 150 | 360<br>405 | 2,260<br>2,855 | 1,000+280<br>1,150+280 | 2,600<br>3,270 |
| 500 | 150 | 355 | 2,260<br>2,855 | 1,000+280 | 2,600<br>3,270 |
| 600 | 144 | 410<br>460 | -NA- | 1,150+280<br>1,255+280 | 2,500<br>3,280 |
| 7-600 | 118 | 410<br>460 | -NA- | 1,155+280<br>1,255+280 | 2,500<br>3,270 |
| 700 | 136 | 380<br>400 | -NA- | 1,155+280 | 2,600<br>3,270 |

Many offices and administrations have been successfully using the Hanel Rotomat® carousels for years, making good use at all the many advantages of these automated filing systems.

Rotomat® 200
for hanging folders, lateral suspended folders, files, index card
Rotomat® 300
for oblique style lateral suspended folders
Rotomat® 400
for lateral letter or legal folders
Rotomat® 500
for binders and large books
Rotomat® 600
for toptab hanging folders
Rotomat® 7-600
for toptab folders
Rotomat® 700
for index cards, microfiche, drawings, DP accessories, stationery, etc.

**Hanel Rotomat事務機型**許多辦公室及行政機關多年來一直很成功地運用著Hanel Rotomat，充分發揮自動化系統的方便性。

**Rotomat 200**
用於懸掛式文件夾、橫向懸掛式文件夾、文件、卡片。
**Rotomat 300**
用於傾斜橫向懸掛式文件夾。
**Rotomat 400**
用於橫立信件或標準文件夾。
**Rotomat 500**
用於活頁夾或大型書籍。
**Rotomat 600**
用於有掛勾的的懸掛式文件夾。
**Rotomat 7-600**
用於有掛勾式文件夾。
**Rotomat 700**
用於卡片、微縮影片、圖片、DP配件、文具等。

# 德國HÄNEL自動倉儲機
## 垂直昇降Lean-Lift系列

### Hanel Lean-Life 工作原理

1. The 'Extractor' stores and retrieves the articles
   存取機存取貨物
2. 4-chain-system for optimum guidance of the extractor
   引導存取機的4鏈條系統
3. Storage locati ons with stored anices
   儲存物件的儲存區
4. Container tor holding and transporting the articles
   裝載和運輸物件的托盤
5. Integrated frame profile for height-optimized placement of the containers
   優良的托盤存放支架設計
6. Soft start cont rol with frequency converter
   帶有變頻器的平滑啟動控制系統
7. Sell-monitoring light barriers in BWS-S design
   BWS-S自檢式光柵安全裝置
8. Lockable sliding doors for ancle protection
   保護物料的可上鎖滑動門
9. Environmentally fr iendly powder-based fi nish ensures 50% higher scuffresistance
   環保塗料可提高50%以上的耐磨損力
10. Hanel microprocessor control unit onmovableVarioram
    Hanel微處理器控制單元
11. Wiring cabinet - ueelectronics are easy to access
    方便電氣連接的電氣箱
12. Photo-sensors for height detection to measure article heighls and safety
    探測高度的感應器以測量物件高度和安全檢測
13. Service door conveniently positionedat the side
    維修門

**從外部推入托盤**

The container is pushed into the Access opening

**存取機升起托盤**

The extractor pulls the container

**行走到最佳儲存位置**

Travels to the best storage position

**使用最小的空間存放托盤**

And stores the container using minimum space

1.Over 60% more storage capacity!
2.Optimumstorage capacity,due to height-optimizedstorage!
3.Storage and handlingof bulky and heavy parts!
4.Load-carrying capacity per containerup to 1,000kg/2,208 lbs!
5.Load-carrying capacity per Lean-Lift up to 60,000kg/132,450 lbs (tested statics)!
6.Material to operator, not operator to material: this saves time!
7.Protection of stored articles!
8.High efficiency and cost savings!
9.Storage of dissimilar sized items!

**Hanel Lean-Lift系列**集高效率儲存和物料保護為一體，在倉儲機中央是一個電腦控制升降機，它的前面和後面是儲存架，這是存放物件的地方，儲存區的控制是由存取機通過電子控制來實現。它按照指令來存取托盤，根據人體工學，倉儲機的取料口設計在最佳高度，進而使操作更方便、舒適。

**特性：**

1.提高超過60%的儲存容量。
2.快速存取。
3.利用最佳高度實現提高儲存容量。
4.適合儲存超重的零配件及物料
5.一個托盤承載量最重達到1000公斤。
6.一台Lean-Lift承載量最高達60000公斤。
7.以物就人、而非以人尋物，節省存取時間。
8.保護儲存物料。
9.提高效率降低成本。
10.可以儲存不同尺寸的物件。

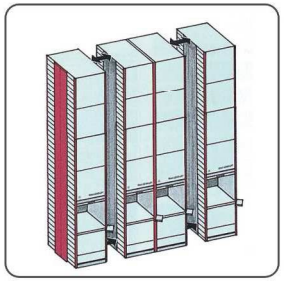
# 德國HÄNEL自動倉儲機
## 垂直昇降Lean-Lift系列

■German Exhibition Center 位於德國Bad Friedrichshall的展示中心

**Hanel Lean-Lift 機型尺寸規格表**

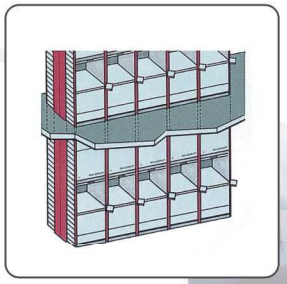
| Model 型號 | Dimensions in mm 主機規格 寬 Width | 深 Depth | Container dimensions in mm 料盤規格 寬 Width | 深 Depth | Useful load in Kg 料盤荷重 Kg |
|---|---|---|---|---|---|
| 1,300-635 | 1,625 | 2,240 | 1,300 | 635 | 250/500 |
| 1,640-635 | 1,965 | 2,240 | 1,640 | 635 | 250/500 |
| 2,060-635 | 2,385 | 2,240 | 2,060 | 635 | 250/500 |
| 2,300-635 | 2,625 | 2,240 | 2,300 | 635 | 250 |
| 840-825 | 1,165 | 2,810 | 840 | 825 | 250/500 |
| 1,300-825 | 1,625 | 2,810 | 1,300 | 825 | 250/500/1000 |
| 1,640-825 | 1,965 | 2,810 | 1,640 | 825 | 250/500 |
| 2,060-825 | 2,385 | 2,810 | 2,060 | 825 | 250/500 |
| 2,460-825 | 2,785 | 2,810 | 2,460 | 825 | 250/500 |
| 2,860-825 | 3,185 | 2,810 | 2,860 | 825 | 250 |
| 3,260-825 | 3,585 | 2,810 | 3,260 | 825 | 250 |
| 840-1270 | 1,165 | 4,150 | 840 | 1,270 | 250/500 |
| 1,300-1270 | 1,625 | 4,150 | 1,300 | 1,270 | 250/500 |
| 2,460-1270 | 2,785 | 4,150 | 2,460 | 1,270 | 250 |

■A Lean-Lift system with retrieval over several floors
多存取口應用實例



Every Lean-Lift® fromHanelcan be used as a 'stand-alone system'. By adding additional Lean-Lifts® storage capacity can be expanded gradually as needed.

Hanel的每一台Lean-Lift都可做為一個"單機系統"使用。需要時還可以逐個的增加。



And the sky is the limit as far as the Lean-Lift's 'upward mobility' is concerned. The Lean-Lifts® from Hanel can be combined over several floors - like a high-bay storage system.

Hanel-Lift "向上發展"的極限是屋頂。Hanel的Lean-Lift可以將幾個樓層有效的結合起來。