# 大和プレス

# 機械式粉末成形プレス
## MECHANICAL POWDER COMPACTING PRESS

## DMC-3/ 5 _ カムタイプ

### 特徴

- 金型SETTINGが便利で作業性に優れたDieSet方式です。
- 内部の駆動機構が潤滑油TANK内で作動するため、耐久性に優れております。
- HANDLE SHAFTに直結されたINDICATORにより調整区間が確認でき、各部の調整及び設定が簡単で正確です。
- 非同時二重加圧DIE FLOATING方式であるため、成形品の上下密度調整が容易です。
- 異物混入を防止する駆動部密閉型です。
- 静音、急制動、手軽な変速装置により、作業者の安定性と利便性を倍増させます。

- The die sets are convenient in mold changes and have excellent performance.
- The internal drive runs within the lubricant tank, and it leads to high durability.
- The operation can be observed with an indicator, which is directly connected to a handle shaft, allowing easy control of each section and accurate setting.
- It is easy to control the upper and lower density for the products with its non-simultaneous dual pressure die floating method.
- The enclosed structure of the actuator prevents foreign substances from entering.
- Its low noise, sudden braking system, and simple transmission enhance the safety and convenience of the operators.


▲ DMC-5

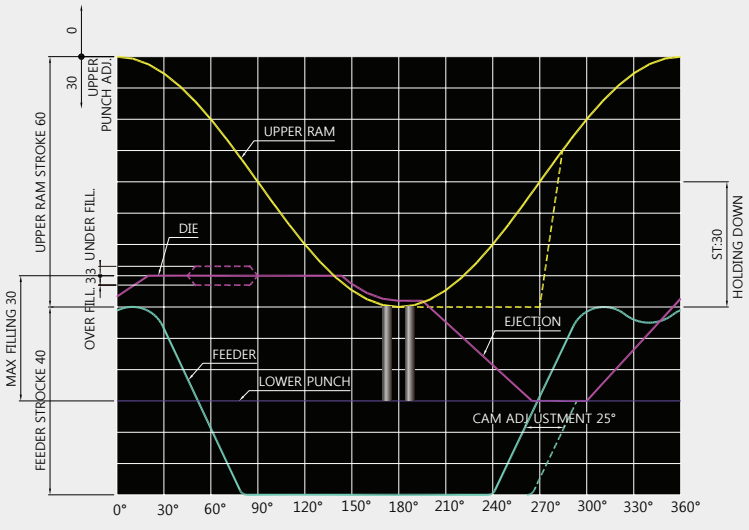
# 大和プレス

# 機械式粉末成形プレス
## MECHANICAL POWDER COMPACTING PRESS

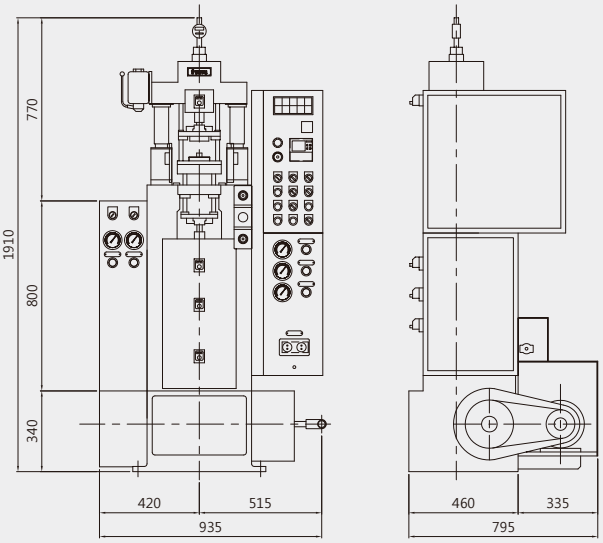
## 製品仕様

| DESCRIPTION | UNIT | DMC-3 | DMC-5 |
|---|---|---|---|
| 1. Max. Pressing Capacity | ton | 3 | 5 |
| 2. Max. Ejecting Capacity | ton | 2 | 3 |
| 3. Max. Filling Depth | mm | 30 | 30 |
| 4. Max. Ejecting Stroke | mm | 30 | 30 |
| 5. Upper Ram Stroke | mm | 50 | 60 |
| 6. Die Control Stroke | mm | 30 | 30 |
| 7. Upper Punch Adjustment | mm | 30 | 30 |
| 8. Die Face Adjustment Stroke | mm | ±5 | ±5 |
| 9. Max. Diameter of Compact | mm | 30 | 30 |
| 10. Die Stopper Capacity | ton | 1.5 | 2.5 |
| 11. Compacting Speed (60Hz) | SPM | 20 - 80 | 20 - 60 |
| 12. Compression indicator | | Oil Pressure Gauge | Oil Pressure Gauge |
| 13. Motor | KW | 0.75 | 1.5 |
| 14. Speed Changer Type | | Inverter | Inverter |
| 15. Clutch & Brake | | Spring Return Type / Air Clutch | Spring Return Type / Air Clutch |
| 16. Lubrication | | Oil Bath Type | Oil Bath Type |
| 17. Working Air Pressure | $kg/cm^2$ | 5 - 7 | 5 - 7 |
| 18. Hopper Capacity (approx.) | liter | 2 | 2 |
| 19. Reducer Type | | Helical Gear | Helical Gear |
| 20. Net Weight (approx.) | kg | 850 | 1,000 |
| 21. Dimension (approx.) | mm | H1,875 X W905 X D795 | H1,910 X W935 X D795 |

## DMC-5 作動線図




## DMC-5 外形図

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# 大和プレス

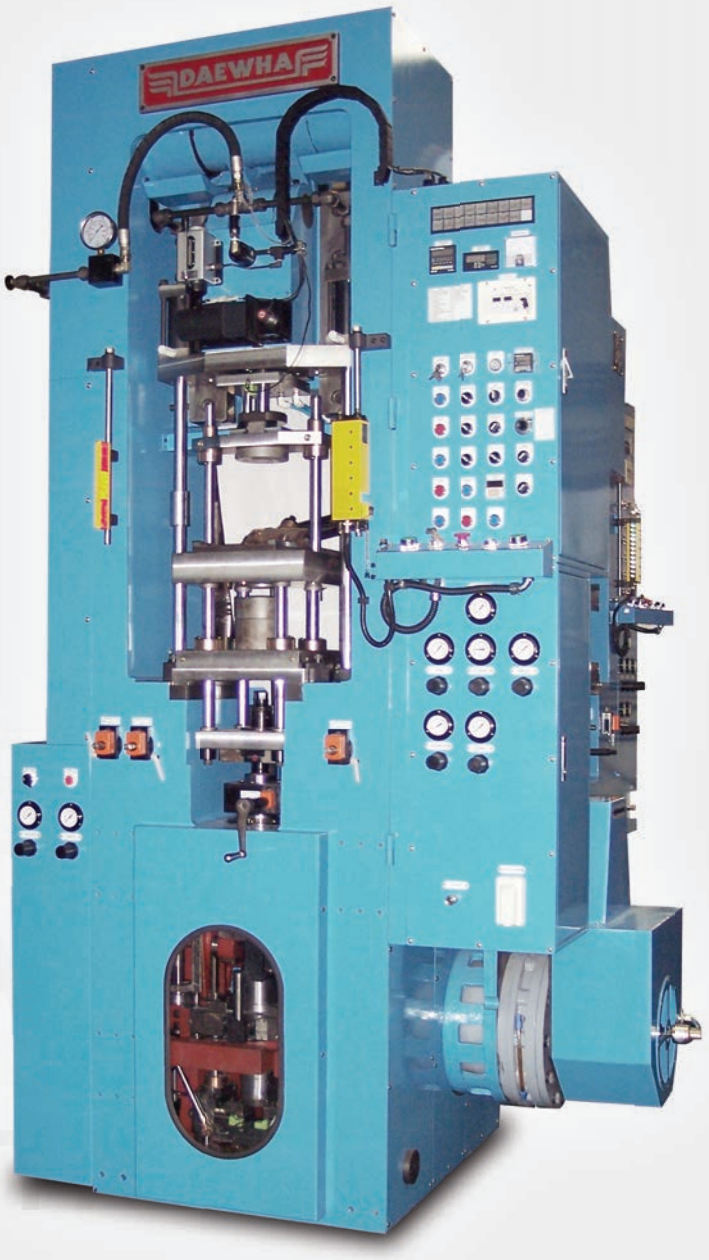
# 機械式粉末成形プレス
## MECHANICAL POWDER COMPACTING PRESS

# DMC-10/ 20/ 30/ 40/ 60 _ ナックルタイプ

## 特徴

- KNUCKLE方式の上ラムの駆動は加圧時、結合を容易にするため、成形性に優れております。
- AIR CYLINDERで作動する下ラムの充填力により、常に一定の充填量及び適切な充填力調整ができます。
- 流圧及び空圧による、密度バランス調整が行われるため、成形性に優れております。
- ストッパーの位置調整ができ、同時・非同時加圧設定が容易。
- 放出位置が常に一定であるため、別途放出調整が必要なく、金型設計の際にも便利になるようにできております。
- 各部の調整はHANDLE SHAFTに直結されたINDICATORにより調整区間が確認でき、設定が簡単で正確です。

- The upper ram in knuckle type makes the compacting easier and provides excellent moldability.
- The consistent filling amount and adequate filling power can be adjusted with the lower ram filling power that runs by an air cylinder.
- It performs excellent moldability based on hydraulic and pneumatic density balance control.
- The stopper position can be adjusted, and it is easy to set the pressure for both simultaneous and non-simultaneous.
- The product is always ejected on the same place regardless of its depth.
  It eliminates the adjustment per product and provides convenience for designing.
- The operation can be observed with an indicator, which is directly connected to a handle shaft, allowing easy control of each section and accurate setting.




▲ DMC-60

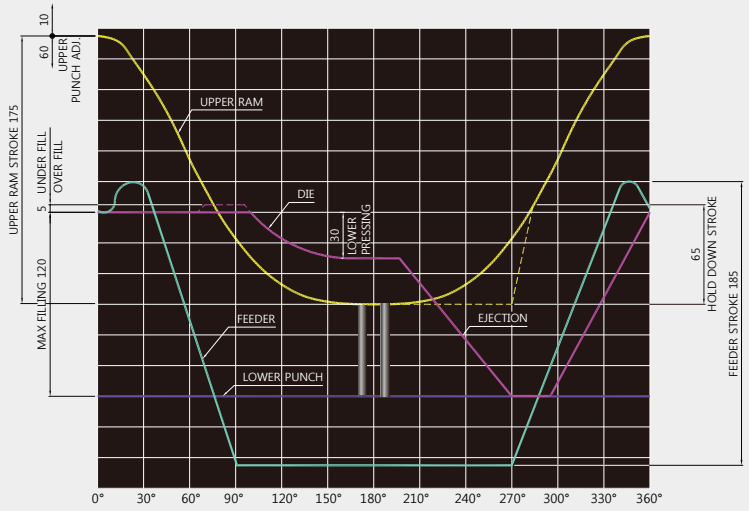
# 大和プレス

# 機械式粉末成形プレス
## MECHANICAL POWDER COMPACTING PRESS

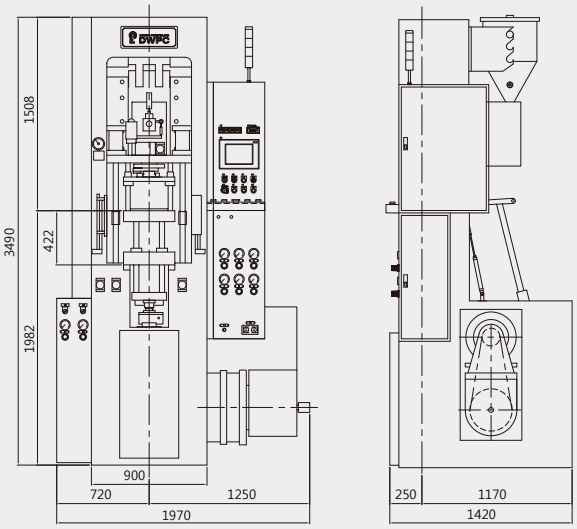
## 製品仕様

| DESCRIPTION | UNIT | DMC-10 | DMC-20 | DMC-30 | DMC-40 | DMC-60 |
|---|---|---|---|---|---|---|
| 1. Max. Pressing Capacity | ton | 10 | 20 | 30 | 40 | 60 |
| 2. Max. Ejecting Capacity | ton | 10 | 20 | 20 | 40 | 40 |
| 3. Max. Filling Depth | mm | 60 | 100 | 100 | 120 | 120 |
| 4. Max. Ejecting Stroke | mm | 60 | 100 | 100 | 120 | 120 |
| 5. Upper Ram Stroke | mm | 100 | 150 | 150 | 175 | 175 |
| 6. Die Control Stroke | mm | 60 | 100 | 100 | 120 | 120 |
| 7. Upper Punch Adjustment | mm | 50 | 60 | 60 | 70 | 70 |
| 8. Die Face Adjustment Stroke | mm | ±5 | ±5 | ±5 | ±10 | ±10 |
| 9. Max. Diameter of Compact | mm | 70 | 75 | 75 | 100 | 100 |
| 10. Die Stopper Capacity | ton | 5 | 10 | 10 | 15 | 30 |
| 11. Compacting Speed (60Hz) | SPM | 13 - 40 | 13 - 40 | 13 - 40 | 8 - 24 | 8 - 24 |
| 12. Compression indicator | | | | Oil Pressure Gauge | | |
| 13. Motor | KW | 2.2 | 3.7 | 5.5 | 7.5 | 11 |
| 14. Speed Changer Type | | | | Inverter | | |
| 15. Clutch & Brake | | | | Spring Return Type / Air Clutch | | |
| 16. Lubrication | | | | Centralized Oil Lubrication | | |
| 17. Working Air Pressure | kg/cm² | | | 5 - 7 | | |
| 18. Hopper Capacity (approx.) | liter | 15 | 18 | 18 | 60 | 60 |
| 19. Reducer Type | | | | Cyclo Reducer | | |
| 20. Net Weight (approx.) | kg | 2,500 | 3,500 | 4,000 | 6,000 | 7,000 |
| 21. Dimension (approx.) | mm | H2,400 × W1,308 × D980 | H2,655 × W1,555 × D1,320 | H2,655 × W1,555 × D1,400 | H3,280 × W1,875 × D1,400 | H3,490 X W1,970 X D1,420 |

### DMC-60 作動線図




### DMC-60 外形図

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# 大和プレス

# 機械式粉末成形プレス
## MECHANICAL POWDER COMPACTING PRESS

# DMC-20/ 40/ 60 _ クランクタイプ

## 特徴

- 駆動部が上段にあるため、下段部の点検及び付帯設備の設置が容易です。
- DIE SETを後方で脱着でき、交換が容易で、機械前面に自動化設備及び成形品移送装置などの取付が簡単です。
- 成形品の放出位置が充填の深さに関係なく、常に一定であるため、別途放出調整が必要なく、設計時にも便利になるようにできております。
- 各部の調整装置はモーターによって作動されるため、作業者は電気操作盤にあるデジタルカウンターだけで各部の調整量を簡単に設定出来ます。
- 上ラムに長いストロークのホルドダウン装置が内蔵されており、加圧時間を維持します。

- The actuator placed on the upper part makes it easy to inspect the lower part and install additional equipment.
- Since the die sets can be installed from the rear side, it is easier to replace it.
  It also allows the automation and transfer systems to be easily installed on the front of the machine.
- The product is always ejected on the same place regardless of its depth.
  It eliminates the adjustment for each product and provides convenience for designing.
- The control device for each part is activated by a motor. So, the operator can easily set the amount for each part with a digital counter on the control panel.
- A long stroke hold-down device is built into the upper ram to control consistent pressing time. It also rises up along with the upper ram for longer and firmer pressing.


▲ DMC-60

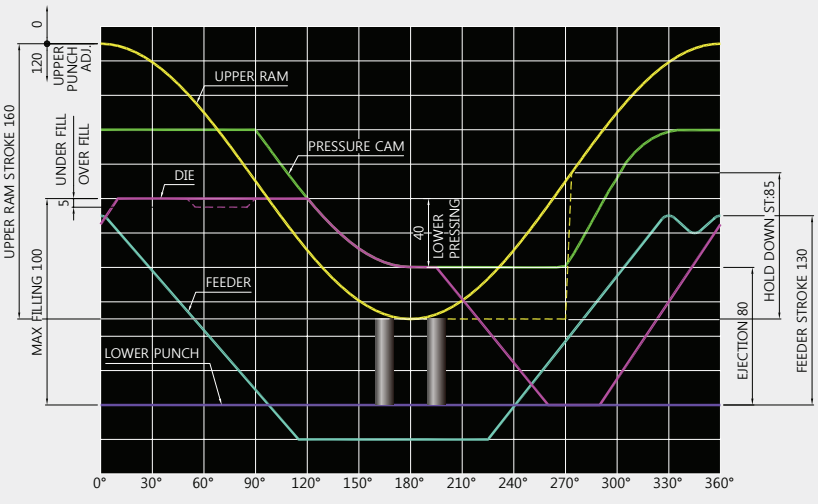
# 大和プレス

# 機械式粉末成形プレス
## MECHANICAL POWDER COMPACTING PRESS

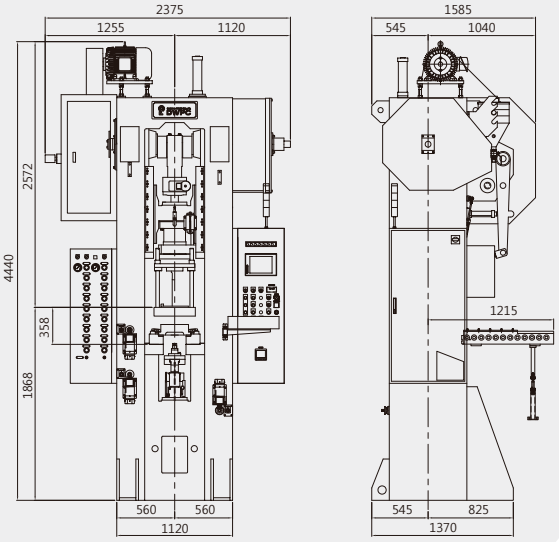
## 製品仕様

| DESCRIPTION | UNIT | DMC-20 | DMC-40 | DMC-60 |
|---|---|---|---|---|
| 1. Max. Pressing Capacity | ton | 20 | 40 | 60 |
| 2. Max. Ejecting Capacity | ton | 5 | 20 | 40 |
| 3. Max. Filling Depth | mm | 40 | 120 | 120 |
| 4. Max. Ejecting Stroke | mm | 30 | 80 | 80 |
| 5. Upper Ram Stroke | mm | 90 | 160 | 160 |
| 6. Die Control Stroke | mm | 10 | 80 | 80 |
| 7. Upper Punch Adjustment | mm | 40 | 80 | 120 |
| 8. Die Face Adjustment Stroke | mm | ±5 | ±5 | ±5 |
| 9. Max. Diameter of Compact | mm | 50 | 100 | 100 |
| 10. Die Stopper Capacity | ton | 10 | 20 | 30 |
| 11. Compacting Speed (60Hz) | SPM | 27 - 80 | 8 - 24 | 8 - 24 |
| 12. Compression indicator | | Option | Digital Pressure Gauge | Digital Pressure Gauge |
| 13. Motor | KW | 3.7 | 11 | 15 |
| 14. Speed Changer Type | | Inverter | Inverter | Inverter |
| 15. Clutch & Brake | | Spring Return Type / Air Clutch | Spring Return Type Air Clutch | Spring Return Type Air Clutch |
| 16. Lubrication | | Centralized Oil Lubrication | Centralized Oil Lubrication | Centralized Oil Lubrication |
| 17. Working Air Pressure | $kg/cm^2$ | 5 - 7 | 5 - 7 | 5 - 7 |
| 18. Hopper Capacity (approx.) | liter | 18 | 40 | 60 |
| 19. Reducer Type | | Helical Gear | Helical Gear | Helical Gear |
| 20. Net Weight (approx.) | kg | 2,700 | 8,500 | 11,500 |
| 21. Dimension (approx.) | mm | H2,510 X W1,490 X D1,025 | H4,045 X W2,260 X D1,435 | H4,440 X W2,375 X D1,585 |

### DMC-60 作動線図




### DMC-60 外形図

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# 大和プレス

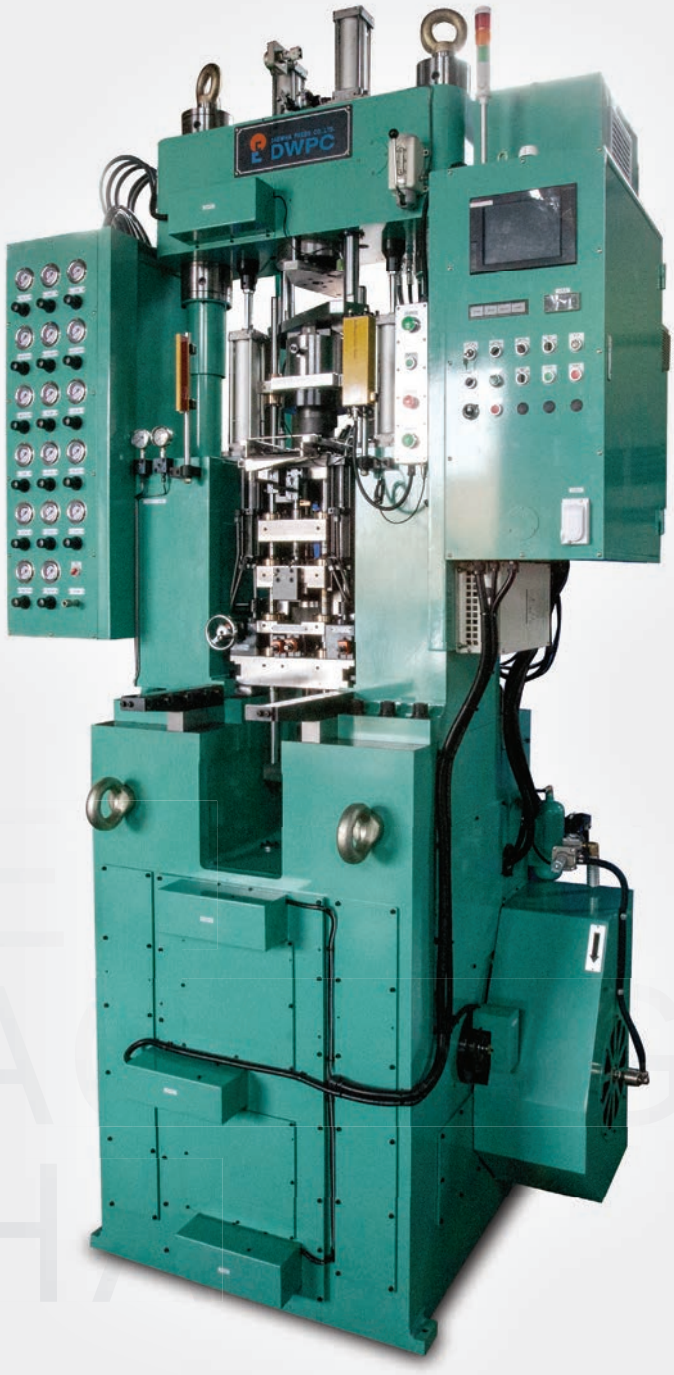
# 機械式粉末成形プレス
## MECHANICAL POWDER COMPACTING PRESS

# DMC- 60/ 100/ 150 _ クランク 2P タイプ

## 特徴

- Tie rod方式であり、Die control (floating) 調整とストッパー調整が各々別途で行われる構造です。
- ダイコントロール装置が外部に設置され、ダイコントロール動作を肉眼で確認しながら成形することができ、成形原理を初心者でも容易に理解できます。
- エジェクションカムとストッパーがプレス左右にあり、強力なエジェクション力とストッパー動作がバランスよく動作できます。
- 作業空間が広く、Die Setを前方・後方で脱着でき、交換が便利で、前面に自動化設備及び成形品移送装置などの設置が容易です。
- Inverterを使用し、S.P.Mの操作が簡単にでき、V-Belt式変速機の問題になるBeltの摩耗などの問題を減らすことができます。
- 上部密閉型構造を採択し、異物混入を遮断しました。

- It is a tie rod method with a structure that operates die control and stopper control separately.
- Since the die control device is installed outside of the machine, the compacting can be observed during the process. So, even a beginner can easily understand it.
- The ejection cam and stopper are installed on the left and right of the press. Therefore, the powerful ejection and stopper action can work well balanced.
- It has a wide workspace, and die sets can be installed from both the front and rear. So, it is easy to install the automation and transfer system.
- Using the inverter, it can easily control S.P.M and reduce troubles such as Belt abrasion caused by V-Belt type transmission.
- The upper enclosed structure prevents foreign substances from entering.




▲ DMC-60

機械式・油圧式粉末成形プレス

# 大和プレス

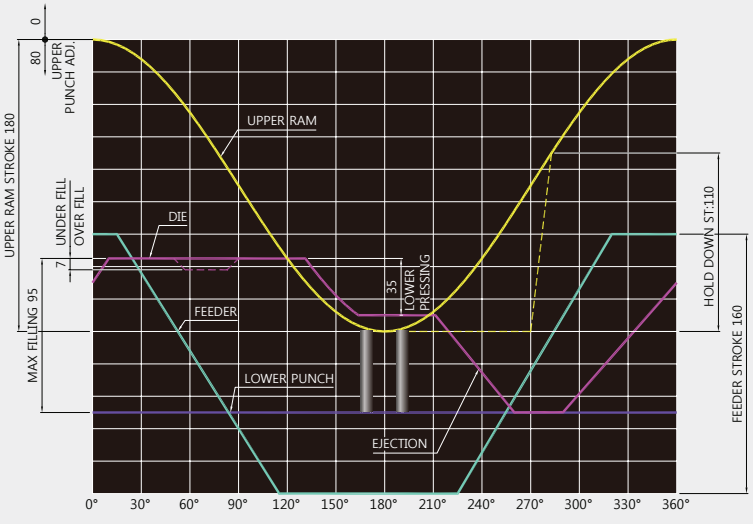
# 機械式粉末成形プレス

## MECHANICAL POWDER COMPACTING PRESS

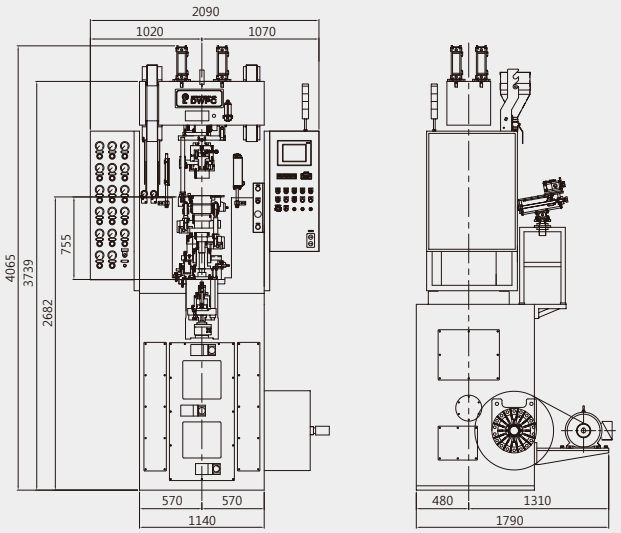
## 製品仕様

| DESCRIPTION | UNIT | DMC-60 | DMC-100 | DMC-150 |
|---|---|---|---|---|
| 1. Max. Pressing Capacity | ton | 60 | 100 | 150 |
| 2. Max. Ejecting Capacity | ton | 40 | 60 | 80 |
| 3. Max. Filling Depth | mm | 120 | 150 | 150 |
| 4. Max. Ejecting Stroke | mm | 120 | 150 | 150 |
| 5. Upper Ram Stroke | mm | 170 | 200 | 200 |
| 6. Die Control Stroke | mm | 100 | 50 | 50 |
| 7. Upper Punch Adjustment | mm | 70 | 100 | 120 |
| 8. Die Face Adjustment Stroke | mm | ±10 | ±10 | ±10 |
| 9. Max. Diameter of Compact | mm | 100 | 100 | 100 |
| 10. Die Stopper Capacity | ton | 30 | 50 | 75 |
| 11. Compacting Speed (60Hz) | SPM | 8 - 24 | 8 - 24 | 8 - 24 |
| 12. Compression indicator | | Digital Pressure Gauge | Digital Pressure Gauge | Digital Pressure Gauge |
| 13. Motor | KW | 11 | 18.5 | 22 |
| 14. Speed Changer Type | | Inverter | Inverter | Inverter |
| 15. Clutch & Brake | | Spring Return Type Air Clutch | Spring Return Type Air Clutch | Spring Return Type / Air Clutch |
| 16. Lubrication | | Centralized Oil Lubrication | Centralized Oil Lubrication | Centralized Oil Lubrication |
| 17. Working Air Pressure | $kg/cm^2$ | 5 - 7 | 5 - 7 | 5 - 7 |
| 18. Hopper Capacity (approx.) | liter | 60 | 60 | 60 |
| 19. Reducer Type | | Helical Gear | Helical Gear | Helical Gear |
| 20. Net Weight (approx.) | kg | 9,500 | 15,000 | 20,000 |
| 21. Dimension (approx.) | mm | H4,065 X W2,090 X D1,790 | H5,775 X W2,515 X D1,820 | H6,445 X W2,885 X D2,050 |

### DMC-60 作動線図




### DMC-60 外形図





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# 大和プレス

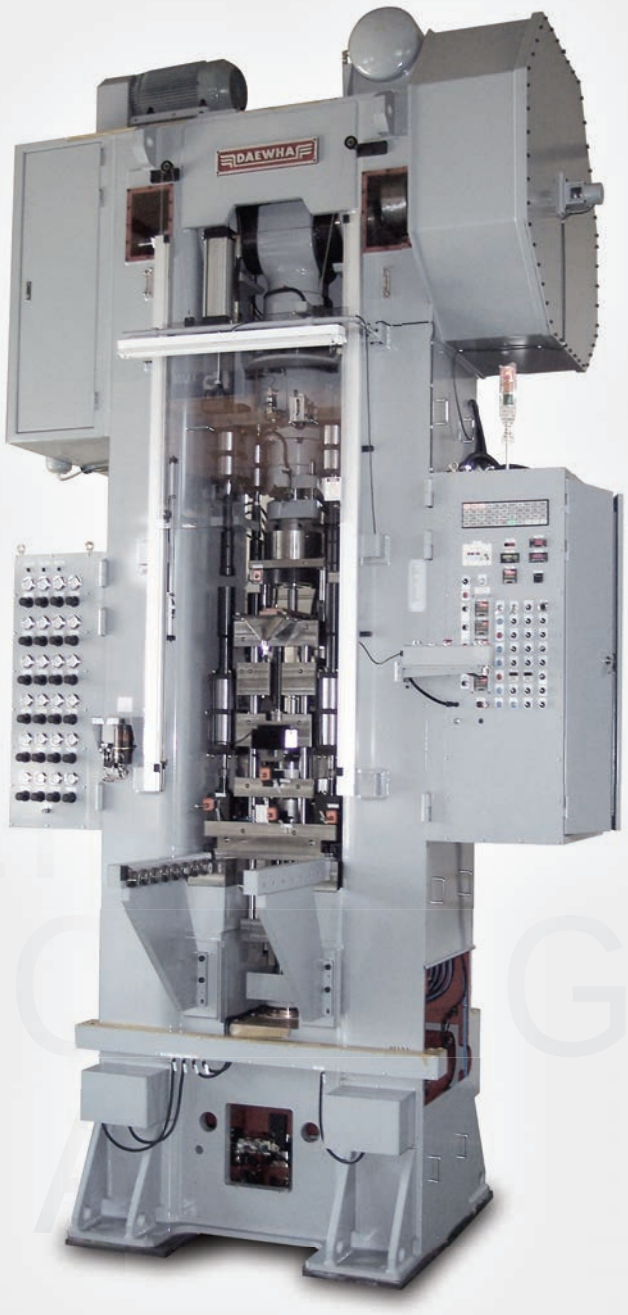
# 機械式粉末成形プレス
## MECHANICAL POWDER COMPACTING PRESS

# DMC- 100/ 200/ 250/ 400_クランクタイプ

## 特徴

- 駆動部が上段にあるため、下段部の点検及び付帯設備の設置が容易です。
- 作業空間が広く、Die Setを前方・後方で脱着でき、交換が便利で、前面に自動化設備及び成形品移送装置などの設置が容易です。
- 成形品の放出位置が充填の深さと関係なく、常に一定であるため、別途放出調整が必要なく、金型設計の際にも便利です。
- 上部のラムにストロークが長いホルドダウンシリンダーが内蔵されており、ダイから製品が放出されるまで上パンチが成形品を伸ばすことができるため、大きい成形品を放出する際、スプリングバックによるクラック防止に優れた性能を発揮します。
- タッチスクリーンから調整装置を簡単に設定でき、デジタルカウンターによって設定値が表示されるため、作業者は簡単に調整量を設定し、確認できます。

- The actuator placed on the upper part makes it easy to inspect the lower part and install additional equipment.
- It has a wide workspace, and die sets can be installed from both the front and rear. So, it is easy to install the automation and transfer system.
- The product is always ejected on the same place regardless of its depth.
  It eliminates the adjustment for each product and provides convenience for designing.
- A long stroke hold-down device is built into the upper ram, and upper punch rises up to press until the ejection to prevent cracks by springback for bigger products.
- The control device can be easily set with a touch screen.
  The operator can also easily set and check the amount with a digital counter showing the setpoint.




▲ DMC-250

機械式・油圧式粉末成形プレス

# 大和プレス

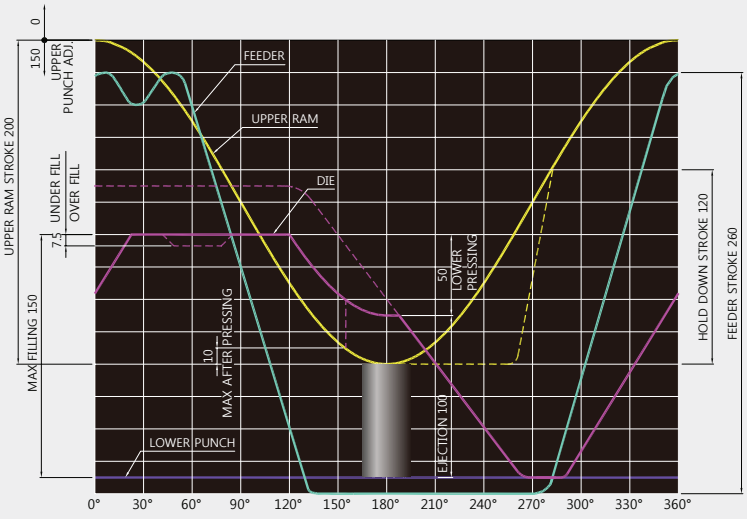
# 機械式粉末成形プレス

## MECHANICAL POWDER COMPACTING PRESS

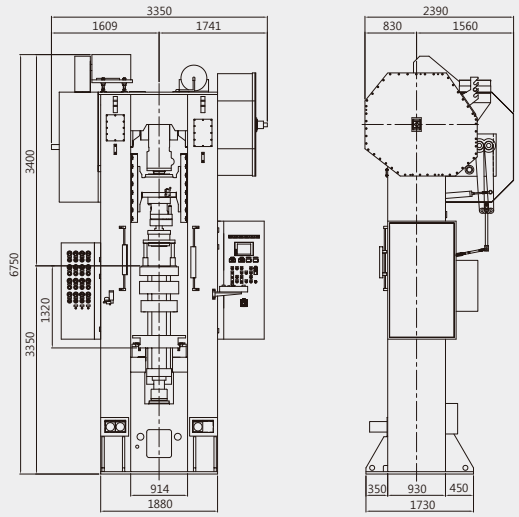
## 製品仕様

| DESCRIPTION | UNIT | DMC-100 | DMC-200 | DMC-250 | DMC-400 |
|---|---|---|---|---|---|
| 1. Max. Pressing Capacity | ton | 100 | 200 | 500 | 400 |
| 2. Max. Ejecting Capacity | ton | 60 | 150 | 180 | 220 |
| 3. Max. Filling Depth | mm | 150 | 150 | 150 | 150 |
| 4. Max. Ejecting Stroke | mm | 100 | 100 | 100 | 100 |
| 5. Upper Ram Stroke | mm | 200 | 200 | 200 | 200 |
| 6. Die Control Stroke | mm | 50 | 50 | 50 | 50 |
| 7. Upper Punch Adjustment | mm | 120 | 150 | 150 | 150 |
| 8. Die Face Adjustment Stroke | mm | ±10 | ±10 | ±10 | ±10 |
| 9. After Pressing Stroke | mm | 10 | 10 | 10 | 10 |
| 10. Die Stopper Capacity | ton | 50 | 100 | 120 | 200 |
| 11. Max. Diameter of Compact | mm | ϕ 100 | ϕ 100 | ϕ 100 | ϕ 125 |
| 12. Compacting Speed | SPM | 6 - 24 | 6 - 24 | 6 - 24 | 6 - 24 |
| 13. Upper Punch Hold down | | 120 | 120 | 120 | 120 |
| 14. Under & Over Fill(Air) | | 7.5 | 7.5 | 7.5 | 7.5 |
| 15. Upper Punch, Filling, Stopper After Pressing, Die Face Adjustment | | | Motor Control | | |
| 16. Compression Indicator | | | Digital Pressure Gauge | | |
| 17. Motor | KW | 18.5 | 37 | 45 | 45 |
| 18. Speed Changer Type | | | Inverter | | |
| 19. Clutch & Brake | | | Spring Return Type / Air Clutch | | |
| 20. Lubrication System | | | Centralized Oil Lubrication | | |
| 21. Working Air Pressure | kg/cm² | 5 - 7 | 5 - 7 | 5 - 7 | 5 - 7 |
| 22. Weight (approx.) | ton | 15 | 25 | 32 | 40 |
| 23. Rotary Cam Switch | | | Electric Type | | |
| 24. Reducer Type | | | Helical Gear | | |
| 25. Dimension (approx.) | mm | H5,700 × W2,875 × D1,820 | H6,227 × W3,152 × D2,150 | H6,750 × W3,350 × D2,390 | H7,600 × W3,500 × D2,650 |

### DMC-250 作動線図




### DMC-250 外形図





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Daewha Press Corporation DWPC

DAEWHA PRESS CO., LTD.

機械式・油圧式粉末成形プレス

# 大和プレス

# 機械式サイジングプレス

## MECHANICAL SIZING PRESS

## DMS- 10/ 20/ 30/ 60_ クランク & カムタイプ

### 特徴

- 焼結品の内径、外径及び高さを校正し、密度を高めて強度を増大させる精密動作サイジングプレスです。
- DIE SETによる金型セッティング方式であり、DIE SET前方・後方で脱着でき、交換が便利です。
- 前面に自動化設備及び成形品供給装置などの設置が容易です。
- エジェクションカムによるエジェクションレバー動作で押出能力に優れております。
- 多段の成形品も矯正できる広い空間を備えております。
- 主要部がボックス型プレーム内部に位置し、潤滑状態が優秀で騒音が少ないです。
- 小型プレスにも関わらず、タッチスクリーンを適用し、成形データの管理が簡単で便利です。

- It is a precise sizing press that enhances the hardness of the sintered parts by calibrating the inner and outer diameters and heights and by increasing the density.
- It is a mold setting type press using die sets that can be replaced both from the front and rear for its best convenience.
- The automation equipment and the product feeder can be easily installed on the front of the machine.
- With the ejection lever movement by ejection cam, it performs excellent extrusion.
- The space is wide enough for a multi-layer product calibration.
- The main part is located inside of a frame, so it has a good lubricating condition and minimized noise.
- A touch screen is applied even for small frames, and that makes it easy to manage the sizing data.


▲ DMS-10

機械式・油圧式粉末成形プレス

# 大和プレス

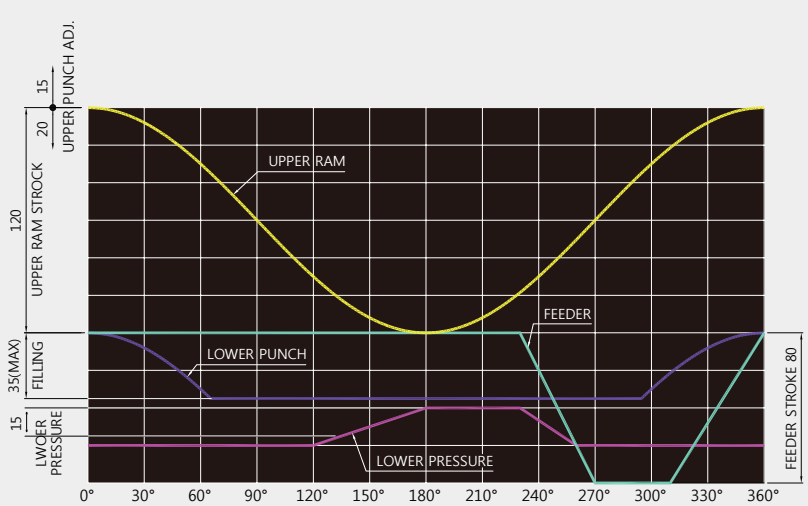
# 機械式サイジングプレス

## MECHANICAL SIZING PRESS

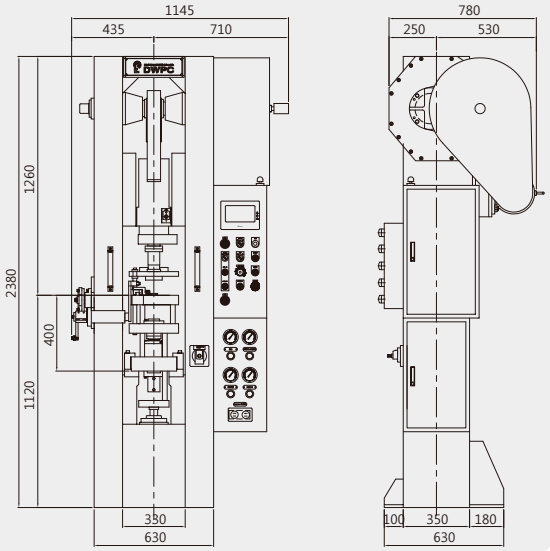
## 製品仕様

| DESCRIPTION | UNIT | DMS-10 | DMS-20 | DMS-30 | DMS-60 |
|---|---|---|---|---|---|
| 1. Max. Pressing Capacity | ton | 10 | 20 | 30 | 60 |
| 2. Max. Ejecting Capacity | ton | 5 | 12 | 20 | 40 |
| 3. Max. Diameter of Sizing | mm | 30 | 30 | 40 | 50 |
| 4. Max. Height of Sizing | mm | 25 | 40 | 50 | 60 |
| 5. Upper Ram Stroke | mm | 80 | 100 | 100 | 120 |
| 6. Ejection Stroke | mm | 25 | 40 | 50 | 60 |
| 7. Die Resistance Capacity | ton | 5 | 10 | 15 | 30 |
| 8. Core Rod Resistance Capacity | ton | 3 | 5 | 10 | 20 |
| 9. Sizing Speed | SPM | 27~80 | 16~48 | 16~48 | 11~32 |
| 10. Work Supply | type | Liner | Liner | Liner | Liner |
| 11. Lubrication System | type | Grease | Oil | Oil | Oil |
| 12. Motor | KW | 2.2 | 3.7 | 5.5 | 11 |
| 13. Overall Height (approx.) | mm | 2,380 | 2,600 | 2,750 | 3,770 |
| 14. Overall width (approx.) | mm | 1,145 | 1,150 | 1,150 | 1,450 |
| 15. Overall Depth (approx.) | mm | 780 | 1,300 | 1,350 | 1,600 |
| 16. Press Weight (approx.) | ton | 1.8 | 3.2 | 3.5 | 6 |

### DMS-10 作動線図




### DMS-10 外形図





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# 大和プレス

# 機械式サイジングプレス
## MECHANICAL SIZING PRESS

# DMS- 100/ 200/ 300/ 350_クランク＆カムタイプ

## 特徴

- 焼結品の内径、外径及び高さを矯正し、密度を高めて強度を増大させる精密動作サイジングプレスです。
- DIE SETによる金型セッティング方式であり、DIE SETを前方・後方で脱着でき、交換が便利です。
- 前面に自動化設備及び成形品供給装置などの設置が容易です。
- エジェクションカムによるエジェクションレバー動作で押出能力に優れております。
- 多段の成形品も校正できる広い空間を備えております。
- 主要部がボックス型フレーム内部に位置し、潤滑状態が優秀で騒音が少ないです。
- プレス上部にある駆動部の修理のためのデック(Deck)及び梯子が基本的に設置されており、追加工事が不要です。

- It is a precise sizing press that enhances the hardness of the sintered parts by calibrating the inner and outer diameters and heights and by increasing the density.
- It is a mold setting type press using die sets that can be replaced both from the front and rear for its best convenience.
- The automation equipment and the product feeder can be easily installed on the front of the machine.
- With the ejection lever movement by ejection cam, it performs excellent extrusion.
- The space is wide enough for the multi-layer product calibration.
- The main part is located inside of a frame, so it has a good lubricating condition and minimized noise
- It comes with a deck and ladder installed for the repair on the upper part where the actuator is located, so no additional installation is needed.


▲ DMS-200

機械式·油圧式粉末成形プレス

# 大和プレス

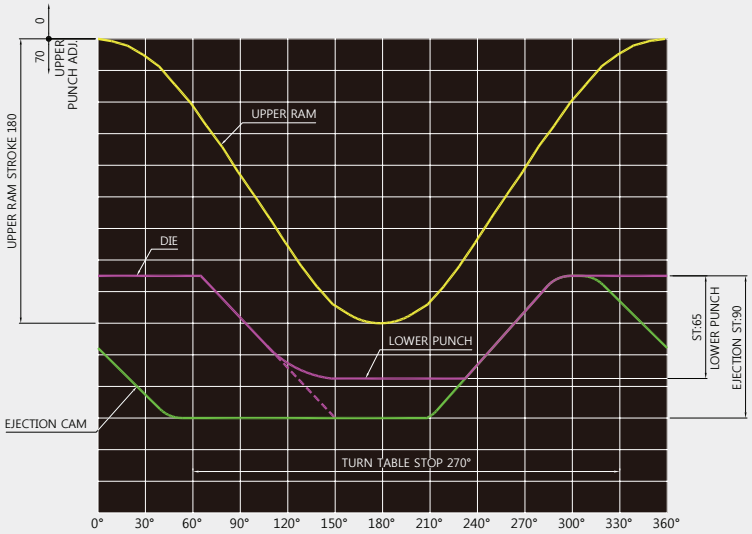
# 機械式サイジングプレス

## MECHANICAL SIZING PRESS

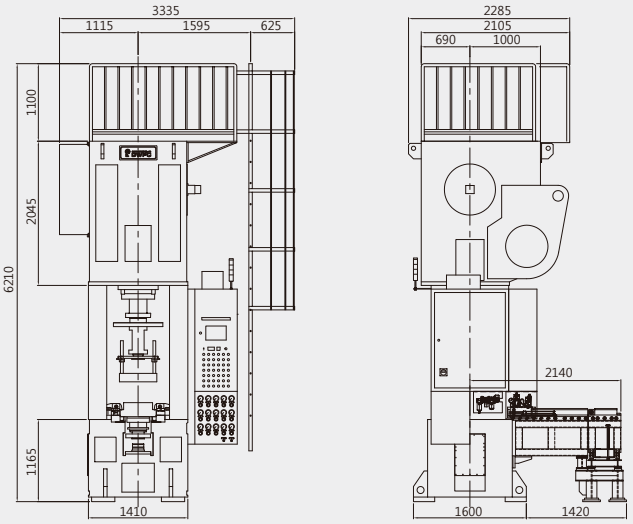
## 製品仕様

| DESCRIPTION | UNIT | DMS-100 | DMS-200 | DMS-300 | DMS-350 |
|---|---|---|---|---|---|
| 1. Max. Pressing Capacity | ton | 100 | 200 | 300 | 350 |
| 2. Max. Ejecting Capacity | ton | 80 | 150 | 200 | 230 |
| 3. Max. Diameter of Sizing | mm | 80 | 130 | 130 | 130 |
| 4. Max. Height of Sizing | mm | 75 | 80 | 80 | 80 |
| 5. Upper Ram Stroke | mm | 140 | 180 | 180 | 200 |
| 6. Ejection Stroke | mm | 75 | 80 | 80 | 90 |
| 7. Die Resistance Capacity | ton | 50 | 100 | 150 | 175 |
| 8. Core Rod Resistance Capacity | ton | 30 | 45 | 50 | 60 |
| 9. Sizing Speed | SPM | 11~32 | 8~24 | 8~24 | 8~24 |
| 10. Work Supply | type | Turn Table | Turn Table | Turn Table | Turn Table |
| 11. Lubrication System | type | Oil | Oil | Oil | Oil |
| 12. Motor | KW | 18.5 | 30 | 37 | 45 |
| 13. Overall Height (approx.) | mm | 4,160 | 6,210 | 6,520 | 7,040 |
| 14. Overall width (approx.) | mm | 1,860 | 3,335 | 3,730 | 4,060 |
| 15. Overall Depth (approx.) | mm | 2,060 | 2,285 | 2,490 | 2,490 |
| 16. Press Weight (approx.) | ton | 10 | 25 | 30 | 37 |

### DMS-200 作動線図




### DMS-200 外形図





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# 大和プレス

# 油圧式粉末成形プレス
## HYDRAULIC POWDER COMPACTING PRESS

# DHC-SYSTEM

## 特徴

- 成形品の上段及び下段部の密度調整が容易で、
  均一な密度の形成はLAMINATION防止と焼成(焼結)段階で
  安定した品質を得ることができます。
- 粉末の特性による、様々な成形技法や任意構成ができる
  作動形式は、成形性が難しい粉末に卓越な性能を発揮します。
- 成形体の特性によって圧力制御(圧電素子類) 及び製品の
  高さの制御用途を使い分けられる選択スイッチが
  取付けられております。(オプション)
- 粉末の流動性の状態によって適用される様々な
  自動供給装置の充填技法は、成形体の安定した含量の
  投入で、快適な機械運転、そして生産性を向上させます。
- メカニカルストッパーによって、正確性を必要とする多段成形品の
  高さの制御や圧縮時の制御の幅を簡単に決定できるようにします。

- It is easy to adjust the density of the upper and lower part of the product.
  The uniform density prevents lamination and provides stable quality in sintering.
- Various compacting techniques and adjustable operation systems, following the characteristics of the powders, provide excellent performance for powders with poor moldability.
- It has a switch to distinguish the use of the pressure control and the product height based on the product characteristics. (Optional)
- It enhances the stable operation and productivity by injecting the proper amount for products with the filling technique of various automatic feeding devices based on the fluidity of the powder.
- The mechanical stopper makes it easy to control the height of multi-layer products that require high accuracy and width while pressing.


▲ DHC-600

機械式・油圧式粉末成形プレス

# 大和プレス

# 油圧式粉末成形プレス
## HYDRAULIC POWDER COMPACTING PRESS

## 製品仕様

| DESCRIPTION | UNIT | DHC-20/30 | DHC-40/60 | DHC-100/200 | DHC-300/500 | DHC-600 | DHC-800/1000 | DHC-1500/1600 |
|---|---|---|---|---|---|---|---|---|
| 1. Max. Pressing Capacity | ton | 20 / 30 | 40 / 60 | 100 / 200 | 300 / 500 | 600 | 800 / 1000 | 1500 / 1600 |
| 2. Max. Ejecting Capacity | ton | 10 /15 | 20 / 30 | 50 / 100 | 150 / 200 | 250 | 300 / 400 | 500 / 550 |
| 3. Upper Ram Stroke | mm | 200 | 200 | 250 | 300 | 400 | 400 | 450 |
| 4. Max. Ejecting Stroke | mm | 100 | 100 | 120 | 150 | 150 | 200 | 200 |
| 5. Die Face Adjustment | mm | ±5 | ±5 | ±5 | ±10 | ±10 | ±10 | ±10 |
| 6. Under/Over Fill Stroke | mm | 5 | 5 | 5 | 10 | 10 | 15 | 15 |
| 7. Feeder Stroke | mm | 200 | 200 | 250 | 300 / 350 | 350 | 400 / 450 | 500 / 600 |
| 8. Compacting Speed | SPM | 2~6 | 2~6 | 2~5 | 2~4 | 2~4 | 2~3 | 2~3 |
| 9. Dieset & Core Rod Type | | ▶ Dieset : A, B, C Type ▶ Core Rod : Fixed, Moving | | | | | | |
| 10. Electric Control & Operation | | PLC & Touch Screen (HMI) | | | | | | |
| 11. Pressure Control | | ▶ Model 1 : Manual<br>▶ Model 2 : Electric Proportional Relief Valve | | | | | | |
| 12. Pressing Tonnage Indicator | | ▶ Model 1 : Manual Pressure Gauge<br>▶ Model 2 : Digital Load Transmeter & Indicator | | | | | | |
| 13. Position Control and Display | | ▶ Model 1 : Manual<br>▶ Model 2 : Servo Proportional Feed Back Control (Position, Speed), Digital Position Meter | | | | | | |

※ 上記スペックは標準タイプであり、お客様の要求事項は打ち合わせを通して注文制作（オーダーメイド）が可能です。
The above is a standard specification. It can be customized to your needs through consultation.

DHC-60

DHC-100

DHC-1600

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