### UBE MAX Series Main Spec Sheet

#### Technical Details:
- **Model:** UBE MAX Series
- **Type:** All Electric Injection Molding Machine
- **Series:** Universal UF

#### Specification Overview:
- **Model:** MD1300H4
- **Model:** UP1600D
- **Model:** MD3000H4

#### Key Specifications:
- **Shut Stroke:** 500 to 1,200 mm
- **Clamping Force:** 30 to 400 kN
- **Cavities:** 2 to 50
- **Injection Pressure:** 25 to 400 MPa
- **Plunger Diameter:** 55 to 200 mm
- **Plunger Stroke:** 50 to 1,000 mm
- **Cylinder Diameter:** 30 to 100 mm
- **Cylinder Stroke:** 10 to 100 mm

#### Additional Features:
- **Max. Injection Speed:** 500 to 1,200 mm/s
- **Max. Clamping Speed:** 25 to 500 mm/s
- **Max. Locking Speed:** 50 to 200 mm/s
- **Max. Plunger Speed:** 20 to 100 mm/s
- **Max. Molding Speed:** 10 to 100 mm/s

#### Footnotes:
1. *All models are designed for use in industrial applications.*
2. **Please consult the manufacturer for detailed specifications and compatibility.**
3. *All specifications are subject to change without notice.*

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**UBE MACHINERY CORPORATION LTD.**

Main website: [http://www.ubemachinery.co.jp](http://www.ubemachinery.co.jp)

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**UBE Universal UF Series**

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**UBEMAX UF Series**

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**Ultra Large All Electric Injection Molding Machines (1,300t ~ 3,500t)**

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**UBEMAX-UF Series Main Spec Sheet**

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**UBE MACHINERY CORPORATION LTD.**

Main website: [http://www.ubemachinery.co.jp](http://www.ubemachinery.co.jp)
**Useful & Flexible**
The UF Series is a multi-purpose electric machine designed to fit the needs of injection molders worldwide.

**User Friendly**
Easy to Operate and Maintain

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**New e-HUMMA Controller**
e-HUMMA offers simple operation for complete utilization

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**UBEMAX-UF Mold-Link Comparison**

**Conventional Analysis**
- Data is collected on the PC
- Data is stored in the database

**Mold-Link Analysis**
- Data is immediately available from a variance on the UF Series Machine
- BP/MP, etc. can be controlled by the PC

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**Value Added Process Technologies (Optional Item)**

**Cav-Change**

**DIEPREST**

UBE’s unique Value Added Technologies such as Cav-Change & DIEPREST can be easily added to UF series at any time.

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**Rigid Clamp Design “TAF clamp”**

**TAF clamp : Increase Rigidity**

60% Deflection Reduction

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**Machine Base Stability Comparison**

**New Advanced Ball Screw Design**

Improved ball screw seals reduce grease volume by 80% from conventional design.
The improved design also increases durability to enhance ball screw life.
Grease distribution control reduces both grease consumption and improves ball screw wear.
The new design offers you many competitive advantages, the improved cleanliness of the plant environment along with the reduction of grease usage are only a few.

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**Distinguished Energy Saving**

Recycling energy heat loss which occurs at serve motor’s deceleration provides you substantial energy saving.

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**Electric Power Safety Gate (Optional Item)**

UBE UF Series all electric machines offer electric belt driven safety operator gates as an option.
When equipped with this option, the cycle time is improved, as well as, safe operating conditions.

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**UBE’s proven “Box Sleeve” designed platens have achieved a 90% reduction on platen deflection.**