

Precision Electric Powered Micro Grinder

E-FORCE[®]

Rotary Engine



E-FORCE Engine for Dental Technicians and Craftspersons.

Rotary Engine

Standard Set

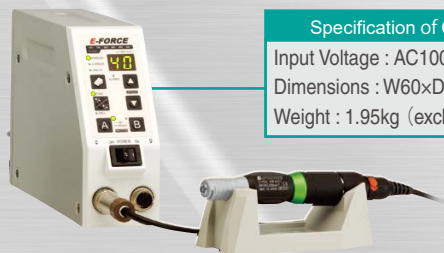
		Order Code	Model
Rotary Engine 50	Bundled Collet Size (ϕ 2.34mm)	9965	DSSR52301
	Bundled Collet Size (ϕ 3.0mm)	9968	DSSR53001
Rotary Engine 40	Bundled Collet Size (ϕ 2.34mm)	9901	DSSR42301
	Bundled Collet Size (ϕ 3.0mm)	9904	DSSR43001
Rotary Engine 20	Bundled Collet Size (ϕ 2.34mm)	9933	DSSR22301
	Bundled Collet Size (ϕ 3.0mm)	9936	DSSR23001

Rotary Engine 50 Standard Equipment Rotary Engine 50・Controller・Foot Switch ※1
Standard Accessories : Power Cord (100V) ※2 ・A Choice of Collet ϕ 2.34mm or ϕ 3.0mm
Spanner・Handpiece Holder

Rotary Engine 40 Standard Equipment Rotary Engine 40・Controller・Foot Switch ※1
Standard Accessories : Power Cord (100V) ※2 ・A Choice of Collet ϕ 2.34mm or ϕ 3.0mm
Spanner・Handpiece Holder

Rotary Engine 20 Standard Equipment Rotary Engine 20・Controller・Foot Switch ※1
Standard Accessories : Power Cord (100V) ※2 ・A Choice of Collet ϕ 2.34mm or ϕ 3.0mm
Spanner・Handpiece Holder

※1 Available with or without a Foot Switch. ※2 120V and 230V are also available.



Specification of Controller

Input Voltage : AC100V (50/60Hz)
Dimensions : W60×D230×H150 mm
Weight : 1.95kg (excl. Power Cord)

Specification of DIH50Handpiece (Rotary Engine 50)	Specification of DIH40Handpiece (Rotary Engine 40)	Specification of DIH20Handpiece (Rotary Engine 20)
Max Output : 84W Max Torque : 4.0cN・m Rotation Speed : 1,000~50,000min ⁻¹ Dimensions : L160 X ϕ 26mm Weight : 172g (excl. Motor Cord) Cord Length : 1.5m	Max Output : 84W Max Torque : 4.0cN・m Rotation Speed : 1,000~40,000min ⁻¹ Dimensions : L158 X ϕ 26 mm Weight : 172g (excl. Motor Cord) Cord Length : 1.5m	Max Output : 73W Max Torque : 5.0cN・m Rotation Speed : 1,000~20,000min ⁻¹ Dimensions : L165 X ϕ 27.4 mm Weight : 213g (excl. Motor Cord) Cord Length : 1.5m

Medical Equipment Manufacturing Business: License No. 14BZ200259

Standard Set

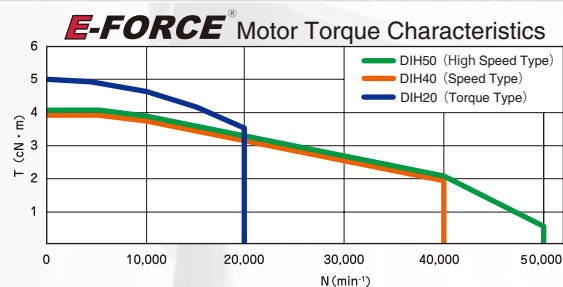
Product	Bundled Collet Size	Power Cord	Order Code	Model
Standard Set	Rotary Engine 50 ϕ 2.34mm	100V	9965	DSSR52301
		120V	9966	DSSR52302
		230V	9967	DSSR52303
		100V	9968	DSSR53001
		120V	9969	DSSR53002
		230V	9970	DSSR53003
	Rotary Engine 40 ϕ 2.34mm	100V	9901	DSSR42301
		120V	9902	DSSR42302
		230V	9903	DSSR42303
		100V	9904	DSSR43001
		120V	9905	DSSR43002
		230V	9906	DSSR43003
Standard Set with Foot Switch	Rotary Engine 20 ϕ 2.34mm	100V	9933	DSSR22301
		120V	9934	DSSR22302
		230V	9935	DSSR22303
		100V	9936	DSSR23001
		120V	9937	DSSR23002
		230V	9938	DSSR23003
	Rotary Engine 50 ϕ 2.34mm	100V	9981	DSFR52301
		120V	9982	DSFR52302
		230V	9983	DSFR52303
		100V	9984	DSFR53001
		120V	9985	DSFR53002
		230V	9986	DSFR53003
	Rotary Engine 40 ϕ 2.34mm	100V	9917	DSFR42301
		120V	9918	DSFR42302
		230V	9919	DSFR42303
		100V	9920	DSFR43001
		120V	9921	DSFR43002
		230V	9922	DSFR43003
	Rotary Engine 20 ϕ 2.34mm	100V	9949	DSFR22301
		120V	9950	DSFR22302
		230V	9951	DSFR22303
		100V	9952	DSFR23001
		120V	9953	DSFR23002
		230V	9954	DSFR23003

Item List

Item Name	Order Code	Model
Controller (100V)	1001	DCR01
Controller (120V)	1002	DCR02
Controller (230V)	1003	DCR03
Rotary Engine 50	Bundled Collet Size (ϕ 2.34)	1365 DIH50-2
	Bundled Collet Size (ϕ 3.0)	1366 DIH50-3
Rotary Engine 40	Bundled Collet Size (ϕ 2.34)	1361 DIH40-2
	Bundled Collet Size (ϕ 3.0)	1362 DIH40-3
Rotary Engine 20	Bundled Collet Size (ϕ 2.34)	1363 DIH20-2
	Bundled Collet Size (ϕ 3.0)	1364 DIH20-3
Accessory	Power Cord (100V)	1131 DAC10
	Power Cord (120V)	1132 DAC12
	Power Cord (230V)	1133 DAC23
	Foot Switch	1163 DFS01
	Motor Extension Cord (3m)	1154 DLC01

Compatibility Table of Collet

Item Name	Order Code	Model
Collet (ϕ 1.0mm)	1081	DCC10
Collet (ϕ 1.2mm)	1082	DCC12
Collet (ϕ 1.4mm)	1083	DCC14
Collet (ϕ 1.6mm)	1084	DCC16
Collet (ϕ 1.8mm)	1085	DCC18
Collet (ϕ 2.0mm)	1086	DCC20
Collet (ϕ 2.34mm)	1087	DCC23
Collet (ϕ 3.0mm)	1088	DCC30
Collet (ϕ 3.175mm)	1089	DCC32



Triple Guard

Three protection structures shut out the chips.

- ① Large Diameter Flinger
- ② Inner Flinger
- ③ Labyrinth Seal

Brushless Motor

Motors of all models are equipped with ceramic bearings.

Multi-function Switch

A handy integrated controller for ON/OFF and Speed UP/DOWN.



Foot Switch

※1 Available with or without a Foot Switch.

Contact

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