

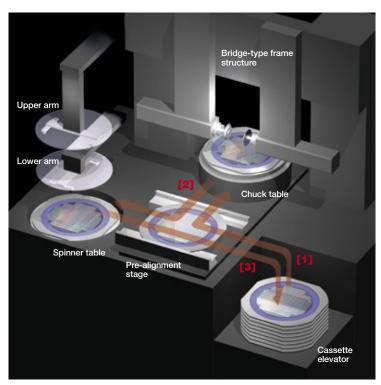


Fully Automatic Dicing Saw DFD6340









DFD6340 Workpiece Flow System

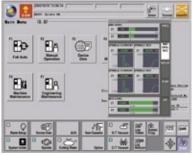
- [1] Lower arm moves workpiece from cassette to pre-alignment stage. Lower arm moves workpiece to chuck table → cutting -
- [2] Upper arm moves workpiece to spinner table \rightarrow cleaning & drying \rightarrow
- [3] Lower arm returns workpiece to cassette

Cost of Ownership Improvements

- · Shorter set up time two NCS sensors
- Two Non-Contact Setup sensors, one each for Z1 & Z2, enable increasing throughput.
- Shorter kerf check time two microscopes
- A dedicated high-magnification microscope for each spindle allows for simultaneous kerf check, which increases throughput.

Process Stability - Cutting Water Flow Control

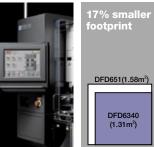
- · Cutting water flow is controlled by the recipe.
- Water flow is consistently maintained, aiding process stability.



LCD touch screen



Adjustable LCD



Fully Automatic Dicing Saw DFD6340



DFD6	340 Specifications		
Workpiece Size		-	Max. ø8"
X-axis	Cutting range	mm	210
	Max. cutting speed	mm/s	600
Y1-axis and Y2-axis	Cutting range	mm	210
	Index step	mm	0.0001
	Index positioning accuracy	mm	0.002/210 (Single error)0.002 or less/5
Z1-axis and Z2-axis	Max. stroke	mm	19.22 (For ø2"blade)
	Moving resolution	mm	0.00005
	Repeatability accuracy	mm	0.001
	Max. blade size	mm	ø58
θ-axis	Max. rotating angle	deg.	380
Spindle	Output	kW	1.2kW at 60,000 min ⁻¹
	Rated torque	N-m	0.19
	Revolution speed range	min ⁻¹	6,000~60,000
Applicab	le Tape Frame	-	2-8-1
Utilities	Power supply		$200 \sim 240 \text{ V AC} \pm 10 \%$, 3-phase (50/60 Hz) For other than the above voltages, a transformer is necessary.
	Power consumption	-	-
	When processing	kW	2.1 (for reference)
	During warm-up	kW	1.8 (for reference)
	Max. power	kVA	6.9
	Air pressure	MPa	0.5 ~ 0.8
	Air max. consumption	L/min(ANR)	378.0
	N ₂ Pressure	MPa	0.5 ~ 0.8
	N ₂ Max. consumption	L/min(ANR)	216.0
	Cutting water, water curtain and	dother -	-
	Pressure	MPa	0.2 ~ 0.4
	Max. flow rate	L/min	Cutting water: 12 Water curtain: 1 Other: 1
	Cooling water	-	-
	Pressure	MPa	0.2~0.4
	Flow rate	L/min	3.0 at 0.3 MPa
	Exhaust duct capacity	m³/min	5.0
	Machine dimensions (WxDxH)	mm	1,180 x 1,110 x 1,850
	Machine weight	kg	Approx. 1,600 (without transformer for overseas use) Approx. 1,670 (with transformer for overseas use)

Environmental conditions

- Use clean, oil-free air at a dew point of -15 °C or less. (Use a residual oil: 0.1 ppm. Filtration rating: 0.01 $\mu m/99.5$ % or more).
- Keep room temperature fluctuations within ± 1 °C of the set value. (Set value should be between 20 ~ 25 °C).
- Keep cutting water and cleaning water 2 °C above room temperature (fluctuations within ±1 °C)
- •Keep spindle cooling water the same as room temperature between 20 ~ 25 °C (fluctuations within ± 1 °C).
- The machines should be used in an environment, free from external vibration. Do not install machine near a ventilation opening, heat generation equipment or oil mist generating parts.
- This machine uses water.
 In case of water leakage, please install the machine on the floor with sufficient waterproofing and drainage treatments.
- * All the pressures are described using a gauge pressure.
- *The above specifications may change due to technical modifications. Please confirm when placing your order. * For further information please contact your local sales representatives.





ASIA: DISCO HI-TEC (SINGAPORE) PTE., LTD. BIk 2 Kaki Bukit Ave.1 #03-06/08 Kaki Bukit Industrial Estate Singapore 417938 Phone: 65-6747-3737 Fax: 65-6745-0266 DISCO HI-TEC (MALAYSIA) SDN. BHD.
Phone: 60-3-8024-6588 Fax: 60-3-8024-1311
Penang Regional Office
Phone: 60-4-644-5502 Fax: 60-4-645-2285

DISCO HI-TEC (THAILAND) CO., LTD. Phone: 66-2-618-8441 Fax: 66-2-618-8440

Priorie: 162-2-161-3441 | Fax: 163-2-618-3440 | DISCO TECHNOLOGY (SHANGHAI) CO, LITD. Area E, 3rd Floor, Building A1 No.381 Fuliskyii Road, WalGaoQiloo Free Trade Zone, Shanghai 20131 PR. CHINA Phone: 86-21-58662516 | Fax: 86-21-58662517 | Tanjin Service & Technical Support Center Phone: 86-022-24381973 | Fax: 86-022-24381837 | Dongguan Service & Technical Support Center Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-86334981 | Fax: 86-769-86334559 | Custos Chiff China Phone: 86-769-8634559 | Custos Chiff China Phone: 86-769-863459 | Custos Chif

Suzhou Office Phone: 86-512-67629081 Fax: 86-512-67629082

Chengdu Office Phone: 86-28-86528592 Fax: 86-28-86528591

Prione: 86-28-86028992 Fax: 86-28-86028991 **ASIA AGENT: New Tronics Co., Ltd.** Flat F, 11th Floor, Valiant Ind. Bldg. 2-12 Au Pui Wan Street, Fotan Shartin, N.T. HONG KONG Phone: 852-26871431 Fax: 852-26874283

Phone: 852-2051 (43) FBA: OUZ-ZUUT-ZUUT-Happy Pole, Ltd.
8F-1, No.41 Section 2, Roosevelt Road Taipei, Taiwan R.O.C.
Phone: 886-2-23996051 Fax: 886-2-23943943
Aurotech Corporation
2021 Buenamino Street Alabang, Munitinglupa PHILIPPINES
Phone: 63-2-809-0155 Fax: 63-2-807-7419

DHK Solution Corporation

13F, Sanhak Jaedan Building, 1337-31, Seotho-dong, Seotho-gu, Seoul, Korea
Phone: 82-2-3415-1122 Fax: 82-2-3415-1441

DISCO HI-TEC AMERICA, INC. 3270 Scott Blvd. Santa Clara, CA 95054-3011 U.S.A. Phone: 1-408-987-3776 Fax: 1-408-987-3785

Eastern Regional Sales & Service Office Phone: 1-602-656-9019 Fax: 1-602-656-9018 Southeastern Regional Sales & Service Office Phone: 1-919-468-6003 Fax: 1-919-468-6004 Central Regional Sales & Service Office Phone: 1-972-267-9900 Fax: 1-972-267-5612 Southwestern Regional Sales & Service Office Phone: 1-602-431-1412 Fax: 1-602-431-1437 Northwest Regional Sales & Service Office Phone: 1-503-644-0323 Fax: 1-503-643-8108

EUROPE : DISCO HI-TEC EUROPE GmbH

DISCO HI-TEC EUROPE GmbH
Libigistrass 8 D-85551 Kirchheim b.Muenchen Germany
Phonie: 49-89-90903-0 Fax: 49-89-90903-199
DISCO HI-TEC FRANCE SARL Provence Head Office
Phonie: 33-4-42-91-00-20 Fax: 33-4-42-91-00-29
DISCO HI-TEC UK. LTD.
Phonie: 44-1342-313165 Fax: 44-1342-313177 DISCO HI-TEC MOROCCO SARL Phone: 212-6-136-94-04 Fax: 212-22-97-38-88

DISCO CORPORATION

13-11 Omori-Kita 2-chome, Ota-ku, Tokyo 143-8580, Japan Tel:03-4590-1100 Fax:03-4590-1075 • www.disco.co.jp