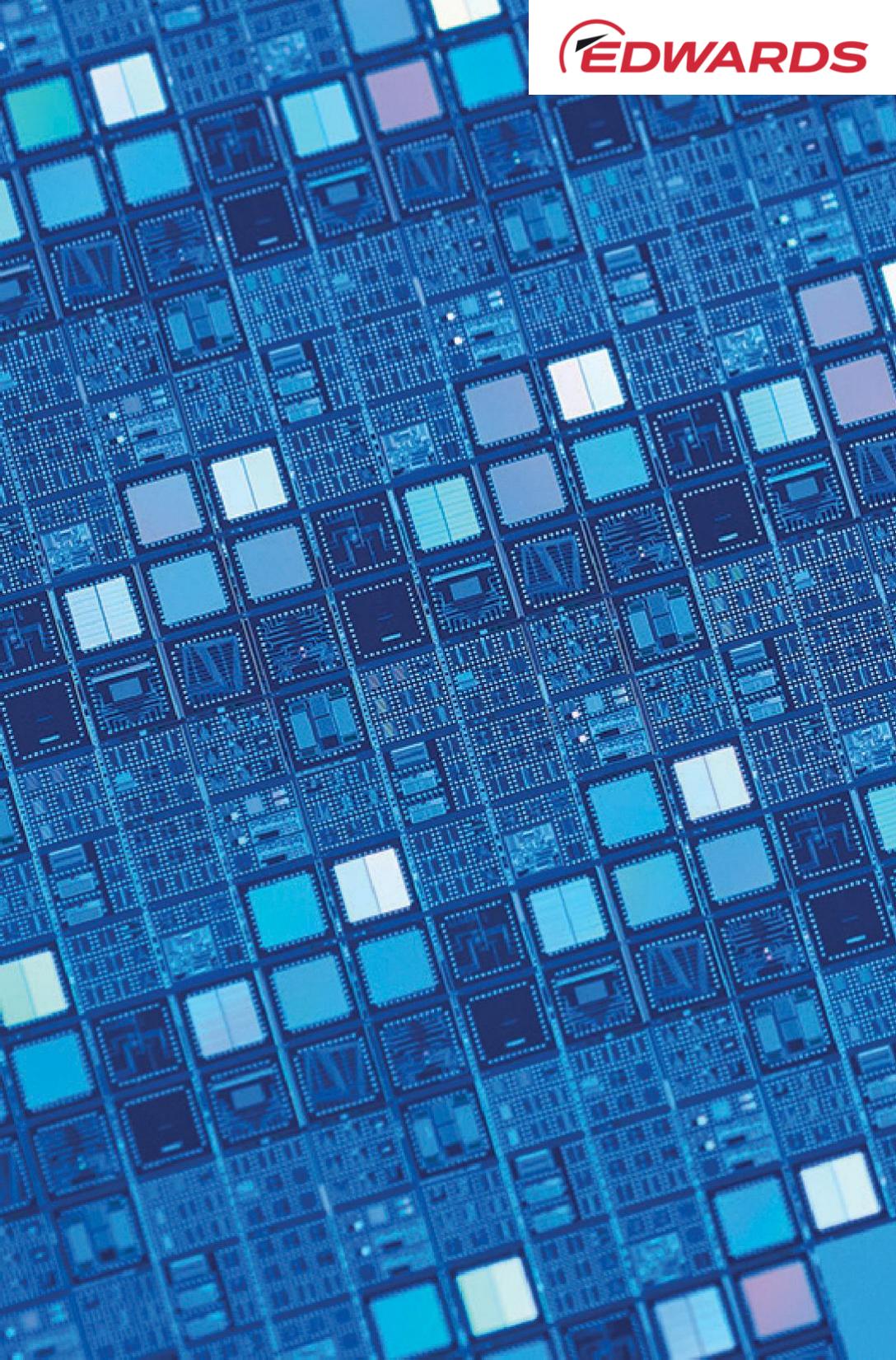
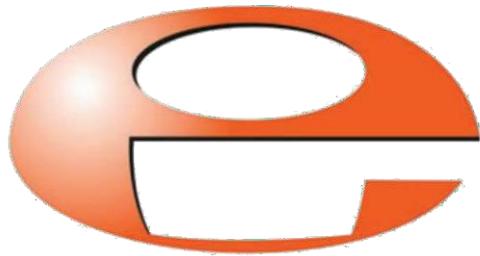


# CRYO-TORR® CRYOPUMPS

 **EDWARDS**



## Official Distributor in Australia



*Vacuum and Thin Film Technology*

### CONTACT US

T: 1800 GO EZZI  
E: [sales@ezzivision.com.au](mailto:sales@ezzivision.com.au)  
W: [ezzivision.com.au](http://ezzivision.com.au)

**VIC:** 13/62 Ramset Drive, Chirnside Park,  
VIC 3116, Australia

**NSW:** Unit 1, 80 O'Riordan St, Alexandria,  
NSW 2015, Australia

**WA:** Unit 11, 24 Baile Road, Canning Vale,  
WA 6155 Australia

## Why Choose Ezzi Vision?

### **'Partner with excellence in Vacuum Technology, opt for Ezzi Vision'**

**Decades of Expertise:** With 30+ years in the industry, Ezzi Vision is highly experienced in vacuum technology and its applications.

**Quality Assurance:** We ensure that every Edwards pump meets the highest standards of performance and reliability.

**Innovative Solutions:** Leading in technological advancements, we provide the latest Edwards pumps, known for their innovation and efficiency.

**Customer-Centric:** Ezzi Vision delivers personalized service and expert advice to meet your needs.

**Nationwide:** Ezzi Vision brings quality vacuum solutions to all of Australia.

**After-Sales Support:** We provide comprehensive support to maintain your equipment's longevity and efficiency.

**Sustainable Practices:** Our products at Ezzi Vision align with contemporary environmental standards, promoting sustainable practices in your business operations.

**With Ezzi Vision propel your business forward using state-of-the-art technology and steadfast support.**

# CRYO-TORR CRYOPUMPS - STILL AS DEPENDABLE AND ECONOMICAL AS EVER.

Edwards' CTI-Cryogenics Cryo-Torr® cryopumps are the rugged, dependable high vacuum pumps that helped make possible the explosive early growth of today's semiconductor business in the 1980s.

Today, Cryo-Torr® pumps still pack great performance into a package that's perfect for laboratory and industrial applications where quality, dependability and low cost are key requirements.

If your application calls for dependable vacuum, Cryo-Torr® pumps will give you the throughput and rugged dependability you expect – at an economical price.

Because they deliver the highest gas pumping speeds of any high vacuum technology, cryopumps are ideal for processes requiring fast pumping of inert, non-toxic, or non-corrosive gases. Cryopumps capture molecules onto cryogenically cooled surfaces, removing them from the process environment. Cryopumps have no moving parts and no oils exposed to your process, enabling them to generate clean, reliable vacuum quickly and dependably.

## FEATURES & BENEFITS

- **Solid performance**
- **Perfect for laboratory and industrial applications**
- **Clean, dependable vacuum**
- **Low cost**
- **Backed by GUTS® 24-hour global support**

## Cryo-Torr® Configurability

Edwards was first to offer both a “flat” Cryo-Torr® cryopump configuration for low-profile applications, and a “straight” configuration for traditional applications. Cryo-Torr® cryopump sizes range from 4-inch to 400mm flange inner diameters (ID). In addition, custom configurations are available for ultra-high vacuum applications.

In fact, Edwards has a number of specialized cryopump configurations from which to choose. Chances are we have the right pump to meet your requirements.

## Peripherals

We also offer a full palette of peripherals so you can complete your Cryo-Torr configuration quickly.

- Helium Compressors
- Helium Flex Lines
- Vacuum Valves
- Regeneration Accessories
- Cables
- Temperature Indicators



## Cryo-Torr® pumps are backed by GUTS®

### When you need vacuum, you don't want to wait for it.

That's why you can call our GUTS line around the clock, around the world to get knowledgeable help in a hurry. We'll either get you up and running through phone support or, a part, component, or experienced service professional is on the way.

Our GUTS rapid response system delivers unsurpassed responsiveness worldwide to any vacuum problem. Every call to our GUTS line is answered by a capable, empowered Edwards employee with the resources to diagnose customer problems quickly and accurately.

Our commitment is to get your system back on-line quickly.

## Cryo-Torr® Cryopumps

Cryo-Torr® Pump Model	4F	8	8F	250F	10	10F	400
Configuration	Flat	Straight	Flat	Flat	Straight	Flat	Straight
Vacuum Flange ID (Metal Seal, ANSI, and ISO)	100 mm	200 mm	200 mm	250 mm	290 mm	300 mm	400 mm
<b>Gas Pumping Speeds</b>							
Water Liters/Sec	1,100	4,000	4,000	6,500	9,000	9,500	16,000
Air Liters/Sec	370	1,500	1,500	2,200	3,000	3,600	6,000
Hydrogen Liters/Sec	370	2,500	2,200	3,200	5,000	6,000	12,000
Argon Liters/Sec	310	1,200	1,200	1,800	2,500	3,000	5,000
<b>Gas Capacities</b>							
Hydrogen Standard Liters	3	17	8	16	24	24	15
Argon Standard Liters	210	1,000	1,000	1,000	2,000	2,000	2,500
<b>Throughput</b>							
Argon Sccm	700	700	700	700	1,500	1,500	500
Argon Torr-Liters/Sec	9	9	9	9	19	19	6
Crossover Torr-Liters	100	150	150	150	300	300	300
<b>Cooldown Time</b>							
60 Hertz	75 min	90 min	90 min	100 min	100 min	100 min	150 min
50 Hertz	90 min	110 min	110 min	120 min	120 min	120 min	180 min
<b>Cryopump Weight</b>							
Lbs	37	45	42	48	85	90	160
Kg	17	20	19	22	39	41	73

Standard products shown. Please contact Edwards for custom cryopump configurations and specifications.



## GLOBAL CONTACTS

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Edwards Ltd, registered in England and Wales No. 6124750, registered office: Innovation Drive, Burgess Hill, West Sussex, RH15 9TW, UK.

EMEA		ASIA PACIFIC	
UK	+44 (0) 1444 253 000 (local rate) 0845 921 2223	China	+86 400 111 9618
Belgium	+32 2 300 0730	India	+91 20 4075 2222
France	+33 1 4121 1256	Japan	+81 47 458 8836
Germany	0800 000 1456	Korea	+82 31 716 7070
Italy	+ 39 02 48 4471	Singapore	+65 6546 8408
Israel	+ 972 8 681 0633	Taiwan	+886 3758 1000
		AMERICAS	
		USA	+1 800 848 9800
		Brazil	+55 11 3952 5000