

D¹ICE

Dilution Refrigerator Range

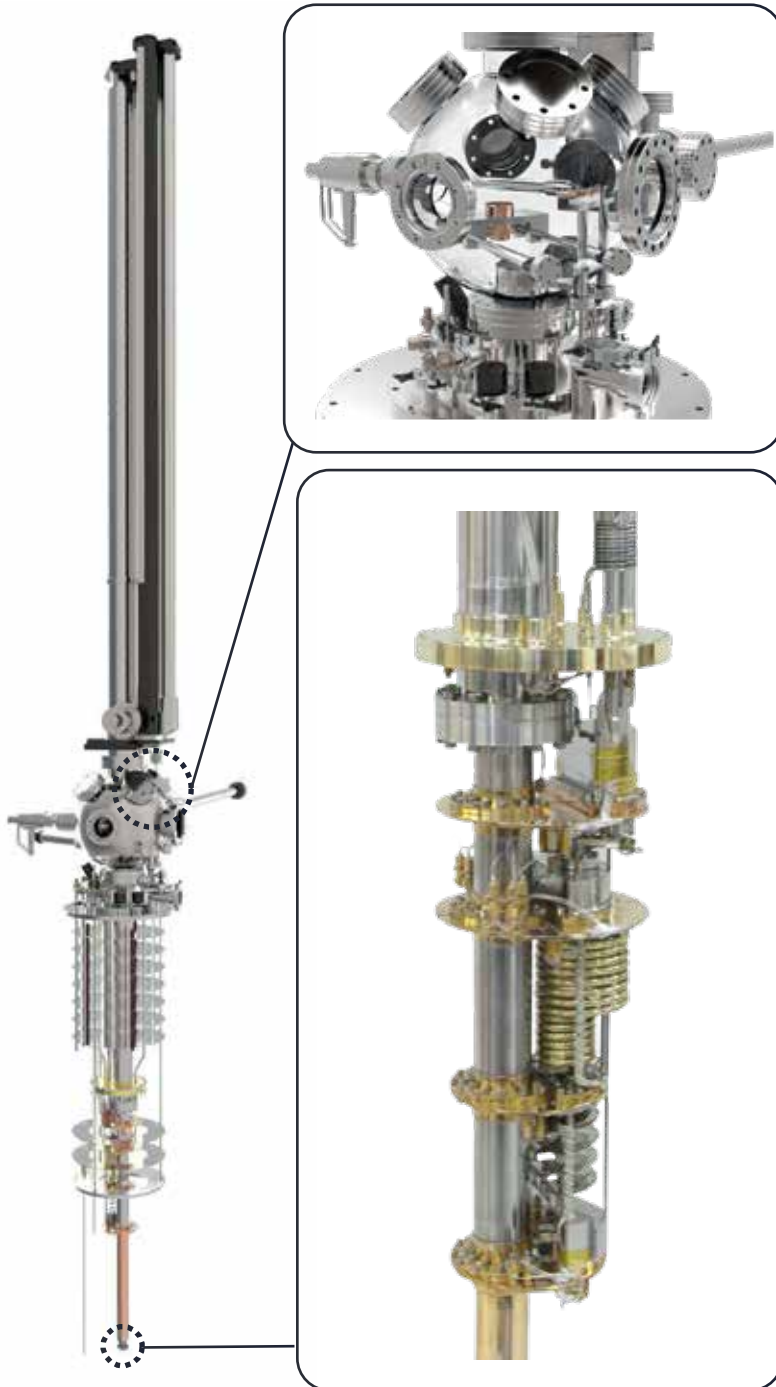


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Tailored to meet your exact requirements

■ DICE SPECIAL

Dilution refrigerator system with top loading via a UHV central tube for SPM experiments



■ ICE CUBE Gas Handling System

- Touchscreen operation
- Integrated keyboard and mouse
- Version 3 software to allow remote computer interface
- Fully automatic condense & circulate
- Automatic 'warm up' and 'make safe' routine
- LABview based drivers
- Full monitoring facility
- Compatible with other manufacturers equipment



UHV dilution refrigerator system with side access for SPM experiments



All welded heat exchanger technology

For more information or quotation, please contact sales@iceoxford.com

+44 (0)1993 706 444

Wet Dilution Refrigerators

CUSTOMISED DESIGNS

■ DICE DIPPER

50 & 70mm dipper dilution refrigerator for use in WET or DRY VTI's. 25 μ Watt and 50 μ Watt respectively



All welded
heat
exchanger
technology



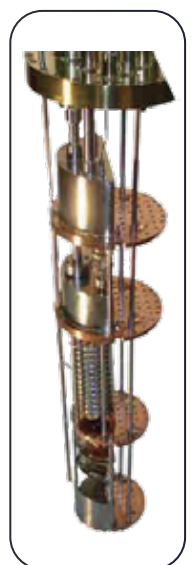
■ DICE HI AX

75 & 100 μ Watt high



■ DICE EASIFIT

200 & 400 μ Watt high access dilution refrigerator



DICE MINIFRIDGE®	DICE DIPPER	DICE HI AX	DICE EASIFIT	DICE UHV	DICE SPECIAL
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DILUTION INSERT SPECIFICATIONS

INSERT DIAMETER (MM)	50	70	50	70	-	-	-	-	-	-
COOLING POWER (μW @ 100MK)	25	70	25	70	75	100	200	400	UP TO 450	UP TO 450
BASE TEMPERATURE (MK)	25	15	25	15	15	<10	<10	<10	<10	<10
SAMPLE SPACE (MM DIAMETER)	40	60	40	60	90	90	90	90	>250	>250
SAMPLE ACCESS	3 X ACCESS TUBES INTO IVC		3 X ACCESS TUBES INTO IVC		7 X ACCESS TUBES INTO IVC		90MM DIA. 180° 'D' SHAPED ACCESS AVAILABLE		SAMPLE IN UHV OR SAMPLE IN UHV BORE TUBE	DESIGNED TO SUIT CUSTOMER REQUIREMENT
LINE OF SITE PORTS TO THE MIXING CHAMBER	1 X PORT		1 X PORT		UP TO 6 X 12MM DIA. PORTS		1 X 50MM + 2 X 20MM DIA.		1 X 50MM + 2 X 20MM DIA.	TO SUIT CUSTOMER REQUIREMENTS

WIRING OPTIONS

DIAGNOSTIC WIRING	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CUSTOMER WIRING	ALL WIRE TYPES AND COMBINATIONS AVAILABLE TO SUIT CUSTOMER REQUIREMENTS					

CO-AX OPTIONS

CO-AX	ALL CO-AX TYPES AVAILABLE TO SUIT CUSTOMER REQUIREMENTS WITH RESPECT TO COOLING POWER
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ROTATOR OPTIONS

ROTATORS	MANY TYPES OF ROTATORS AVAILABLE TO SUIT CUSTOMER REQUIREMENTS
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DEWAR/CRYOSTAT OPTIONS

DRY LEMON CRYOSTAT - DRY ICE LEMON	•	•								
VARIABLE TEMPERATURE CRYOSTAT - ICE VTC	•	•								
LHE STORAGE/ TRANSPORT DEWAR			•	•						
LN2 SHIELDED LOW LOSS CRYOSTAT			•	•	•	•	•	•	•	•
VAPOUR SHIELDED LOW LOSS CRYOSTAT			•	•	•	•	•	•	•	•
VAPOUR SHIELDED BATH CRYOSTAT			•	•	•	•	•	•	•	•
LN2 SHIELDED BATH CRYOSTAT			•	•	•	•	•	•	•	•

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