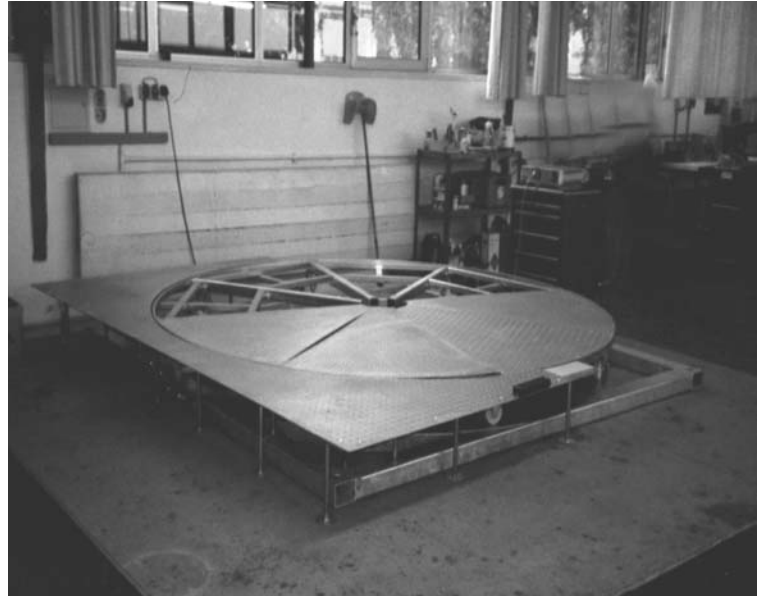


**ARA TECH** offers a wide range of turntables, which are ideally suited for EMI compliance testing. Standard **DT4 series** turntables are available in sizes ranging from 1m to 4m and load capacities ranging from 100 kgs to 3000 kgs. Other sizes and load capacities up to 100 tons are also available on request. The **DT4XX series** turntables are specifically designed for sub-floor mounting in anechoic chambers or surface mounted on open area test sites. Metal top turntables mounted flush with ground are available for testing larger EUTs and floor standing EUTs. Larger diameter turntables are constructed in wedge-shaped segments for ease in transportation. Turntables up to 2m in diameter are built and shipped fully assembled. The base plates are available in either waterproof, laminated, and lacquered wood or stainless steel. All sub-floor tables offer convenient access for work tasks in the pit and incorporate an easy, single point adjustment for centering during setup.



**DT-430**

Metal top turntables in diameters of 2m or larger offer rugged quality construction using non-corrosive materials and finishes.

All tables have a minimum of 200-mm diameter opening in the center of the turntable provides power and data cable access to the EUT.

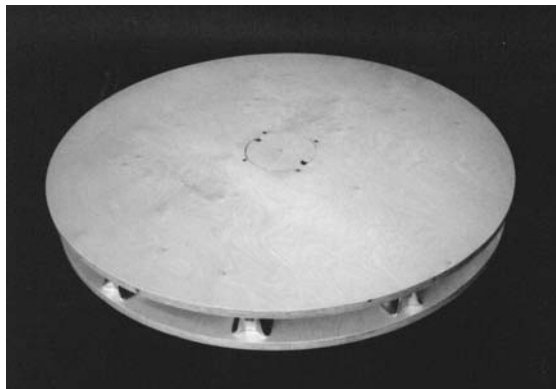
An area in which **ARA TECH** surpasses the competition involves our turntables with the localized load capacity anywhere on the table. While several manufacturers rate turntables according to total load capacity, their usefulness is limited by localized load capacity. As a result of our highly balanced design, our turntables offer greater real load capacity and provide our customers with an edge in test capability.

## **SPECIFICATIONS FOR DT4XX SERIES**

<b>DIAMETER:</b>	1.2 meters to 4 meters
<b>LOAD CAPACITY:</b>	100 kgs to 3000 kgs
<b>TABLE TOPS:</b>	Stainless steel or galvanized steel
<b>APPLICATIONS:</b>	Outdoor, Open Area Test Sites, Indoor, Anechoic Test Chambers
<b>RECOMMENDED CONTROLLERS:</b>	HD202 or HD2002

## LOW PROFILE TURNTABLES

The **DS4xx series** turntables are specifically designed for installation either at low profile heights in electromagnetic absorption chambers, or in open areas. The base plate is available in either waterproof, laminated and lacquered wood (30-mm thickness), or stainless steel. If a ground plane exists, and the carrying plate is steel, then an adapter contact ring with a quadratic rim can be supplied. A 200-mm diameter opening in the center of the turntable provides the capability to insert a power supply for testing. Removable braces can be installed if necessary. Where a sub-floor pit is not available, standard low profiles match most chamber-ceiling height requirements. Lower profiles are available on request.



**DS-412HA**



**DS-412S**

## SPECIFICATIONS FOR LOW PROFILE TURNTABLES (FREE STANDING):

	DS 412		DS 415	DS 420		
	HA	S		HA	S	
<b>DIAMETER</b>	1.2 meter	1.2 meter	1.5 meter	2 meters	2 meters	
<b>PERMISSIBLE LOAD</b>	300 kg	500 kg	500 kg	500 kg	750 kg	
<b>HEIGHT</b>	13 cm	10 cm	15 cm	17 cm	15 cm	
<b>ROTATING SPEED ADJUSTABLE BET.</b>	Minimum 0.5 rpm Maximum 2.5 rpm		Minimum 0.5 rpm Maximum 2.5 rpm		Minimum 0.5 rpm Maximum 2.5 rpm	
<b>POSITIONING ACCURACY</b>	± 1°		± 1°		± 1°	
<b>ROTATING ANGLE</b>	+400° / -400°		+400° / -400°		+400° / -400°	
<b>CONTROL</b>	Relays, optocoupler 5V		Relays, optocoupler 5V		Relays, optocoupler 5V	
<b>CONTROL CABLE</b>	Cable or fiber optic (option)		Cable or fiber optic (option)		Cable or fiber optic (option)	
<b>TURNTABLE DRIVE</b>	Chain Drive		Chain Drive		Chain Drive	
<b>MOTOR SHIELDED &amp; RADIO INTERFERENCE SUPPRESSED</b>	Electronic Motor 110 V / 100 W		Electronic Motor 110 V / 100 W		Electronic Motor 110 V / 100 W	
<b>EUT - POWER SOCKET</b>	2 x single-phase ac 1 x three-phase ac		2 x single-phase ac 1 x three-phase ac		2 x single-phase ac 1 x three-phase ac	
<b>OPTION</b>	Cont. to the ground plane		Cont. to the ground plane		Cont. to the ground plane	
<b>CONTROLLER INTERFACE</b>	IEC Bus or RS 232		IEC Bus or RS 232		IEC Bus or RS 232	
<b>CONTROLLER (RECOMMENDED)</b>	HD 202/2002		HD 202/2002		HD 202/2002	
<b>MATERIAL</b>	Wood	Steel	Wood	Wood	Steel	

## NON-CONDUCTIVE TURNTABLES

The **DT3xx series** turntables, with the exception of the drive unit, are fabricated totally from non-conductive materials such as PVC. A 14.5-cm diameter opening in the center of the turntable provides cable access to the EUT. Three supplied sub-floor shafts enable cables to be laid up to 1.5 meters from the turntable center. When operated with the **HD 202/2002** Controller, the IEC Bus, or the **RS-232**, provides an additional control option for all functions. Standard features such as easy cable routing access/cable hole through the center, variable rotation speed, and removable top make the **DT3 series** turntable ideal for testing small EUTs in accordance with ANSI C63.4, FCC and VDE requirements.



**CT-308**

The **CT-308** is a compact and inexpensive turntable for test objects up to 75 kg (165 lbs.).

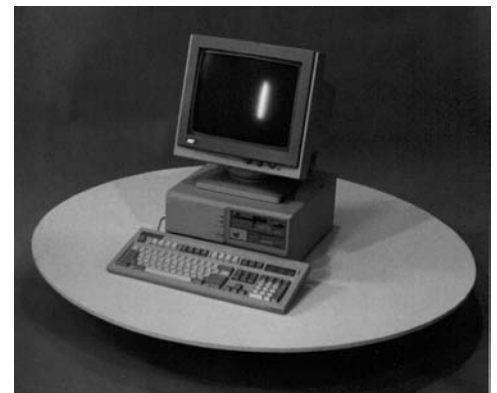
The **CT-308** is dismountable and easy to transport. The low-cost version offers a control for rotation by a button control. Normal configuration is with a **HD 202/E** controller when used as a stand-alone unit, or an **HD 2002/U** when used in multiple device configurations.

The IEEE 488 (GPIB) bus (optional) or **RS-232** bus when operated with the **HD 2002/U** Controller, provides an additional control option for all functions.

## SPECIFICATIONS

### CT-308

DIAMETER	0.80 m
PERMISSIBLE LOAD	75 kg
HEIGHT	Minimum 0.15 m
MATERIAL CARRIER PLATE	PVC, weatherproof
ROTATING SPEED ADJUSTABLE BETWEEN	Minimum 0.3 rpm Maximum 3 rpm
POSITIONING ACCURACY	$\pm 1^\circ$
ROTATING ANGLE	$\pm 200^\circ$
CONTROL	Using relay, open collector
CONTROL CABLE	Cables or fiber optic lines (option)
MOTOR	Electronic motor 70w
DRIVE UNIT	Shielded and radio interference suppressed. Better than 20 dB under EN 55022 class B
TEMPERATURE WORKING RANGE	0°C...+35°C
VOLTAGE	115 V/230 V
ACCESSORIES	2 m power supply cable 30 m control cable Service manual



Our **ART-1000/M** turntable is ideal for pre-scans and quick scans. This 4.0 feet diameter turntable is rotated manually.