Robson Technologies, Inc.
MT Century System

Overview

The MT Century is a compact test system optimized for users seeking to perform automated curve tracing on low pin count devices up to 100 pins. It utilizes the same software applications as the larger versions and boasts an economic footprint for benchtop testing environments. The MT Century provides non-destructive electrical characterization of IC packages up to 100 pins with scalable upgrades between 2, 4, and 6 bus configurations. It is compatible with RTI DataTrace, MT Forms, and Standard Trace software and RTI benchtop test fixtures. Every MT Century is shipped with an LCD monitor, controller running the essential MT Forms software and most recent Windows ® version.

MT Century with drive box & 950 fixture

MT Century Hardware Features

◊ Supports low pin count devices up to 96/100/108 pins depending on fixture design

◊ Directly compatible with RTI FA fixtures such as the 950 series via cable interface

◊ Drive/bus breakout box includes access to all drives and measurement nodes by way of banana jacks

◊ Benchtop form factor fits on less than half of a typical lab bench

◊ Supports 2, 4, and 6 channel switch matrix in standard configurations

◊ Confirms electrical failures independent of more complex ATE resources

◊ Non-destructive anti-counterfeit detection and comparative data analysis

	2 Bus	4 Bus	6 Bus
Curve Tracing Models Pin Count			
MT Century with Cable Interface	96/100/108	96/100/108	96/100/108
MultiTrace with PGA 625 Fixture	216-625	216-625	216-625
MegaTrace with Octopogo Fixture	up to 2160	up to 2160	up to 2160
Hardware			
Number of Switch Matrix Busses	2	4	6
Number of Drives (SMU)	4	8	8
Standard Applications			
Unpowered	x	X	X
Powered		X	X
IDDQ Supply Current		X	X
Latch-Up			X
Device Complexity			
Number of supply domains (VDD)	na	1	4

Chart Above Shows Summary & Comparison of Bus Channels

Software Features (all models)

◊ Efficient, Powerful, Mature application for Acquisition and analysis of curve trace data

◊ Fast and easy setup using fill in the blank forms for most standard tests

◊ Save and recall any test setup or device result

◊ Comparison testing between DUT and a "known good" device

◊ Create pin maps and other setup files with included utilities

◊ Save results to multiple graphic formats

◊ Automation features simplify repetitive operations and more…

Chart to the Right Shows Summary & Comparison of the four Curve Tracing Models

	Century	MultiTrace	MegaTrace
Hardware			
Pin count range	96/100/108	216-625	up to 2160
PC Controller Included	Yes	Yes	Yes
Form Factor	Benchtop	Benchtop	Rolling Cart
Size, Weight (approximate)	70 lbs	200lbs	350lbs
Power requirement	120V/220V, 50/60Hz, 100W	120V/220V, 50/60Hz, 400W	120V/220V, 50/60Hz, 800W
Software			
Classic MultiTrace	Yes	Yes	Yes
DataTrace Basic	Yes	Yes	Yes
DataTRace Analytical	Optional	Optional	Optional
DataTrace Full Version	Optional	Optional	Optional
MTForms Basic	Yes	Yes	Yes
MTForms with Latch up	Optional	Optional	Optional
Fixtures			
Mini Cards and Extended Mini Cards	Yes with 950 Fixture base	Yes, with adapter system	Yes, with adapter system
RTI R1 with Yamaichi cable system	Yes	Yes, with adapter system	Yes, with adapter system
PGA Footprint DUT Boards	Yes with optional Fixture base	Yes	Yes, with PGA Adapter
Octopogo 1152	No	2 bus only	Yes
Other Board formats	Yes with Compatibility adapter	Yes with Compatibility adapter	Yes with Compatibility adapter