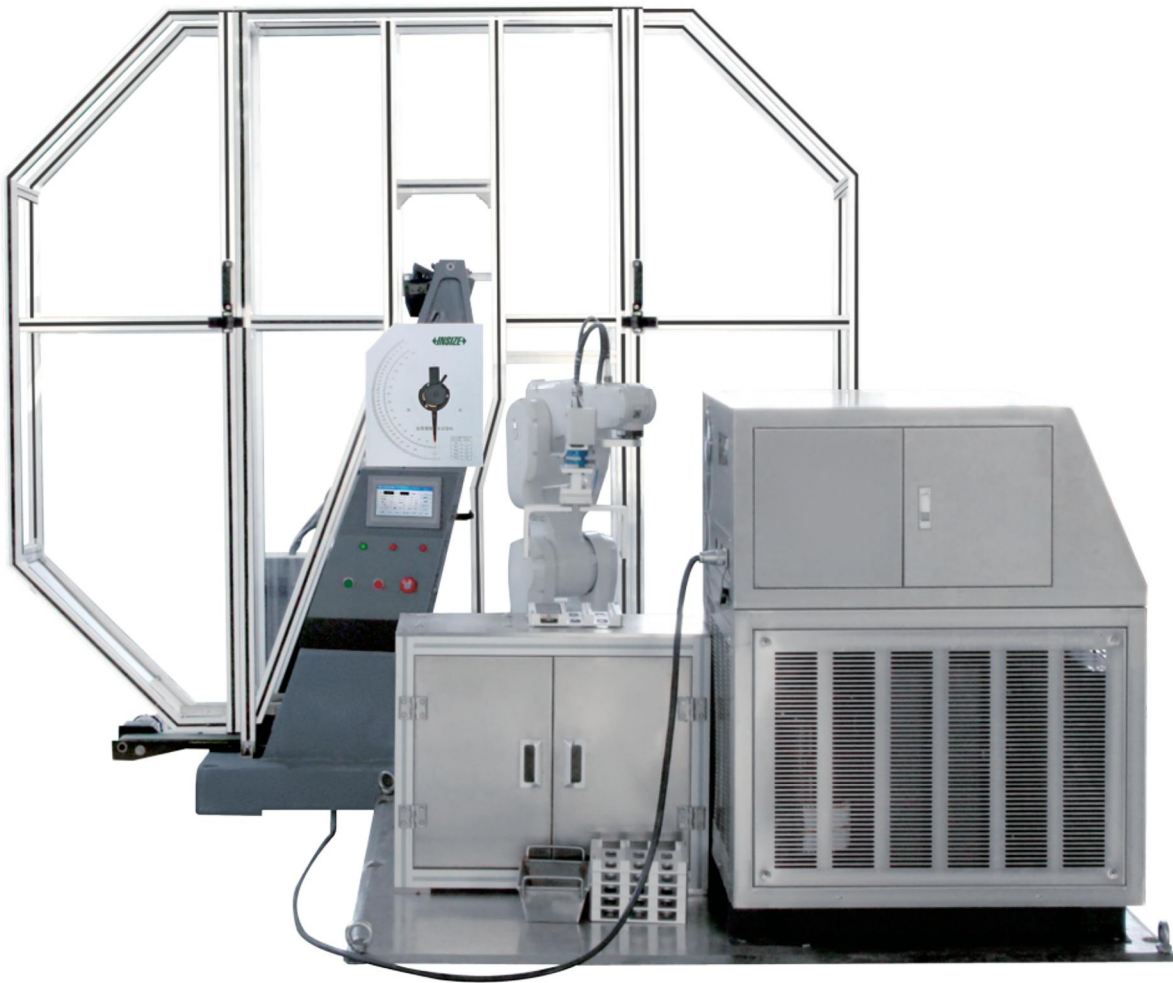


AUTOMATIC IMPACT TESTING MACHINE SYSTEM CODE RBT-ITM01

CUSTOMIZED ACCORDING TO
THE TEST REQUIREMENTS



- 6-axis industrial robot for high speed and precision, IP40, triple protection
- Supports automatic loading, testing, sorting and test data upload
- Control system Modbus Tcp via bus communication, high speed, high efficiency and easy to extend

Step 1: Manually place specimens on the specimen rack.
 Step 2: Press the reset button to return the robot and cylinder to the initial position.
 Step 3: Press the start button, the system prompts whether the workpiece is correctly placed and click OK.
 Step 4: Robot grabs the specimen and places it at the impact position.
 Step 5: Start test and output test result.
 Step 6: Qualified specimen is conveyed to the left specimen rack, unqualified one to the right specimen rack.
 Step 7: Carry out next test at preset intervals.

SPECIFICATION

Robot*	robot arm spreading	703mm
	Max working speed	240~600°/s
	Max weight of workpiece	7kg
	repeat positioning accuracy	±0.02mm
	number of control axis	6
	communication protocols	Ethernet Modbus Tcp
Impact testing machine*	impact energy	450J
	dial range	0~450J
	dial graduation	3J
	pendulum moment	M=241.1543N·m
	pendulum preparing angle	150°
	distance between pendulum shaft center and specimen center	750mm
	impact speed	5.24m/s
	span of specimen seat	40mm
	end face radius of specimen seat	R (1.0~1.5)mm
	radius of impact blade	R (2.0~2.5)mm
	inclination angle of support surface of specimen seat	11°±1°
	angle of impact blade	30°±1°
	thickness of impact blade	16mm
	range of measuring angle	0~360°
	angle resolution	≤0.06°
	specimen size	10×10×55mm
	power supply	AC 380V, 3Ø, 50Hz, 1.5kW
	base size	960×650mm
	dimension of main body (L×W×H)	2100×835×2200mm
	net weight	900kg

*Can be customized according to test requirements

STANDARD DELIVERY

Robotic system	robot body	1 pc
	robot control cabinet	1 pc
	programming guide	1 set
Impact testing machine	main unit	1 pc
	control cabinet	1 pc
	simply supported beam fixture (including jaws, anvil)	1 set
	pendulum (450J and 150J)	1 set
	span aligner	1 pc
	sample recovery device	1 set
	tongs	1 set
	safety cover	1 set
	software	1 set
	computer	1 pc
	printer	1 pc
Control touch screen		1 pc
Control box		1 pc
Specimen rack		1 set

OPTIONAL ACCESSORY

Workbench	7911-15
150J pendulum	ITM-S-PE150J
300J pendulum	ITM-S-PE300J
450J pendulum	ITM-S-PE450J
600J pendulum	ITM-S-PE600J
750J pendulum	ITM-S-PE750J
ASTM standard impact blade	ITM-S-ASTM-IB
Digital display screen	ITM-S-DDS
Impact specimen notch projector (GB/T 229, ASTM E23)	ISP-Z2
Low-temperature chamber	ITM-S-40
	ITM-S-60
	ITM-S-80
	ITM-S-80S
	ITM-S-100
	ITM-S-196
Impact specimen notch broaching machine (double broaches)	ITM-U32
Impact standard sample	ITM-BR series