

HUMBLE MACHINE WORKS, INC.

NDE EQUIPMENT LIST

LIQUID PENETRANT

Type 1- 10 μ, 20μ, and 30μ NiCr test panels (penetrant batch system performance)

PSM 5 star panel (Daily performance) Tri-con (aerospace) water nozzle

Bulk water-washable, aerosol water-washable (Fluorescent / visible) / solvent removable (visible)

MAGNETIC PARTICLE

Wet horizontal unit Cables AC Yoke and 10lb. Test bar

Dry powder Centrifuge Tube (3) Gauss meters

ASTM referenced QQI's, Castrol strips, and Hall-effect probe (field strength / direction) Pie gauge

Type 2000 magnetic stripe card (2) Black lights (2) black light / White light meters

Wet fluorescent powder f/ horizontal unit, aerosol fluorescent wet

ULTRASONIC TESTING

Transducers

Zero Degree .250"	Zero Degree .500"	Zero Degree .750"	Zero Degree 1.00"	Angle Beam .250"	Angle Beam .500"	Angle Beam .500 x 1.00"
5.0 MHz	(2) 2.25 MHz	(2) 2.25 MHz	1.0 MHz	2.25 MHz	2.25 MHz	1.0 MHz
5.0 MHz (Dual)	(3) 5.0 MHz	5.0 MHz	2.25 MHz	n/a	5.0 MHz	2.25 MHz

Calibration Standards

"NATIONAL" ANGLE BEAM	1" TO 12.75" (ASTM 1/16", 1/8", ¼", FBH)	1.5" TO 5.00" (ASTM 1/8" FBH)	STEMS (1/8" FBH / 1/16 SDH)	3% NOTCH
IIW BLOCK	17-4	BeCu	.250" TO 4.00" 718	718
DSC	718		1.5", 2.5", 3.25" BeCu	17-4
RESOLUTION BLOCK	NITRONIC 60			4130
ASME V BASIC BLOCK	4130			DUPLEX
V2 304 SS	DUPLEX			BeCu
V2 1018				Nitronic 60
V2 ALUMINUM				