

META-LAX[®]

U.S. Patent No. 4,968,359 and others apply.

SERIES 701

STRESS RELIEF AND WELD CONDITIONING SYSTEM

META-LAX Stress Relief Certification															
Date		January 13			Job No.		2568		Operator				Herman		
Company			M-L Fabricators			Address			Detroit, MI			Phone			
Part No.			5274-2			Part Name			Column Weldment						
Size		19" x 42" 170"			Weight		7,500		Material				1020 HRS		
Force Inducer		F2 <input type="checkbox"/>		F4 <input type="checkbox"/>		F6 <input type="checkbox"/>		V8 <input type="checkbox"/>		2A <input checked="" type="checkbox"/>		Eccentric		60 %	
SCANS															
FIRST SCAN															
LOCATION POSITION	HARMONIC FREQ.	M-LR FREQ.	TIME	HARMONIC FREQ.	M-LR FREQ.	TIME	HARMONIC FREQ.	M-LR FREQ.	TIME	HARMONIC FREQ.	M-LR FREQ.	TIME	TOTAL TIME		
1	68	64	25	65	61	10	65						65		
NOTES: Meta-Lax was applied before machining after welding.															
NOTE: Meta-Lax is complete, for that force inducer location, when harmonic peaks have stabilized, i.e. when frequencies repeat. See Engineering Manual for detailed instructions.															
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FORM NO. 10450 (REV. B)															



Series 701 Design Features

• CAPABILITY

Each Series 701 system is capable of both stress relieving and weld conditioning.

• MANUAL CERTIFICATION

Operator simply logs data as it becomes available to certify **META-LAX** stress relief is complete. Certification sheets to be kept in the job file.

• USER FRIENDLY

The patented **META-LAX** process and Series 701 have been designed to be simple to use by the average employee. The **META-LAX** process involves easy to remember rules of thumb.

• CUSTOM DESIGNED COMPONENTS

Each major component of the **META-LAX** system (control console, force inducer and transducer) has been uniquely designed to provide accuracy, versatility, and ease of operation.

• BENCH TOP PORTABILITY

Modular component design to allow easy access to and around job site, and easy storage when not in use.

• FORCE INDUCER

Custom designed force inducers developed specifically for stress relieving induce vibrational energy into the workpiece. Five distinct force inducer models are available. Each model has a specific workpiece weight range capacity. (Details on back.)

• FUNCTION L.E.D. INDICATORS

Four L.E.D. indicator lights have been included to provide easy diagnostic checks on key system components.

• TRAINING MATERIALS

The comprehensive Operation Manual is ideal for both operators and engineers. This manual includes 28 photos and illustrations and 7 tables. A "Summary Manual" is also provided for easy reference. An engineer's training video tape is included.

• TRAINING SCHOOL

Operators and engineers are invited to attend a one day **META-LAX** Training School at Bonal Technologies. Participants will be versed in theory, specific applications, hands-on operation and troubleshooting.

• COMPLETE

Series 701 system comes complete with everything the operator will need for most situations. Details on the back.

BONAL
TECHNOLOGIES
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Technology And Equipment For The Next Millennium

SERIES 701 SPECIFICATIONS

CONTROL UNIT:

120 VAC, 10 AMP (220 VAC 50Hz optional),
9" (23) x 15" (38) x 6" (15), 18 lbs. (18.6)

STANDARD ACCESSORIES:

- 4 Isolation Pads - 1" (2.5) x 6" (15) x 8" (20)
- 1 Transducer Cord - 10 ft. (305)
- 1 Transducer Clamp - 0-3" (7.6)
- 2 Force Inducer Clamps - 0-6" (15) Part # 640
- 2 Force Inducer Isolation Shoes
- 1 Set Eccentric Adjustment Wrenches (V8, 2A Force Inducer)
- 2 **META-LAX** Certification Sheet Pads
- 1 AC Input Cord - 6 ft. (183)
- 1 Set Instruction Manuals and VCR Training Tapes

FORCE INDUCER:

One Included:

- 1F:** 5" (13) x 9" (23) x 8" (20)" 22 lbs. (10)
 - 1FD:** 10.5" (27) x 11" (28) x 7" (18) 41 lbs. (19)
 - 2FD:** 11" (28) x 11" (28) x 7" (18) 48 lbs. (22)
 - V8:** 11" (28) x 10" (25) x 8" (20), 40 lbs. (18)
 - 2A:** 12" (30.5) x 10" (25) x 7" (18), 47 lbs. (21)
- (Workpiece weight ranges, see ordering information)

TRANSDUCER:

Bonal Custom Designed and Patented Unit
1.5" (3.81) x 4.5" (11.4), 1lb. (.45)

OPTIONAL ACCESSORY:

Locking Storage Cabinet with Castors,
24" (61) x 18" (46) x 34" (86)
68 lbs. (31), Part No. 1950

WARRANTY INFORMATION:

*1 Year Warranty on Console and Internal Components,
Transducer, Transducer Cord. 90 Day Warranty on Force
Inducer and Cord. *See quotation terms.

SHIPPING WEIGHT:

100 lbs. (45)

() = Metric conversions in cm. or kg.

ORDERING INFORMATION:

Model 7XX-YY

Console Model #

Force Inducer Model #

701: 110V, **CAN** be used with high frequency welding.

721: 220V, **CAN** be used with high frequency welding.

CE Models also available.

1F: 60 - 500 lbs. (27 - 227)

1FD: Customized per application

2FD: Customized per application

V8: 100 - 20,000 lbs. (45 - 9,080)

2A: 150 - 40,000 lbs. (70 - 18,160)

