

# MISCO<sup>®</sup>

Minneapolis Speaker Company



*The World Leader in  
Innovative Loudspeaker  
Solutions*

## **WHAT MAKES MISCO SO DIFFERENT?**

While other U.S. loudspeaker manufacturers are closing their doors or moving their manufacturing off-shore, MISCO is re-investing:

In the best people, the best equipment, and best systems.

We believe that the loudspeaker industry needs a U.S. OEM / Custom Driver manufacturer that is:

- Financially able to support the growth of its customers
- Focused on long-term business strategies
- Maintaining formal quality systems to assure consistency
- Focused on Lean Manufacturing strategies to reduce costs
- Able to provide custom manufacturing and service

MISCO can actually **reduce** your TOTAL procurement costs through:

- Small lot size requirements
- Responsive and flexible delivery schedules
- Short lead times
- Lower freight costs
- No duty costs
- Elimination of incoming product sorting and inspection due to poor quality.

We are re-investing in our future. Let us re-invest in **yours** as well.

Daniel P Digre

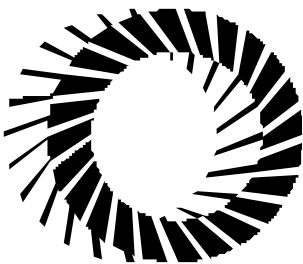
President

# Meet Our Staff

<b>Clifford Digre</b>	CEO / Chief Engineer
<b>Bernice Digre</b>	Chief Financial Officer
<b>Dan Digre</b>	Sales Manager
<b>D. Michael Shields</b>	Chief Engineering Consultant
<b>Bob Deblieck</b>	Manufacturing Manager
<b>Gail Boyum</b>	Materials / Production Manager
<b>Ted Marquis</b>	Quality Manager
<b>Rose Griebenow</b>	Personnel Manager
<b>Carrie Murphy</b>	Accounting Manager

# MISCO Awarded 2002 Minnesota Job Skills Partnership Grant

- Awarded by the State of Minnesota to a technology manufacturer showing both past development and continuing growth potential.
- Grant covers three years of extensive World Class Manufacturing Skills development of all levels of employees from entry level to CEO.



*Minnesota Job Skills  
Partnership*

NEW CORPORATE AND  
MANUFACTURING  
FACILITIES  
Built in 2002  
Minneapolis, Minnesota

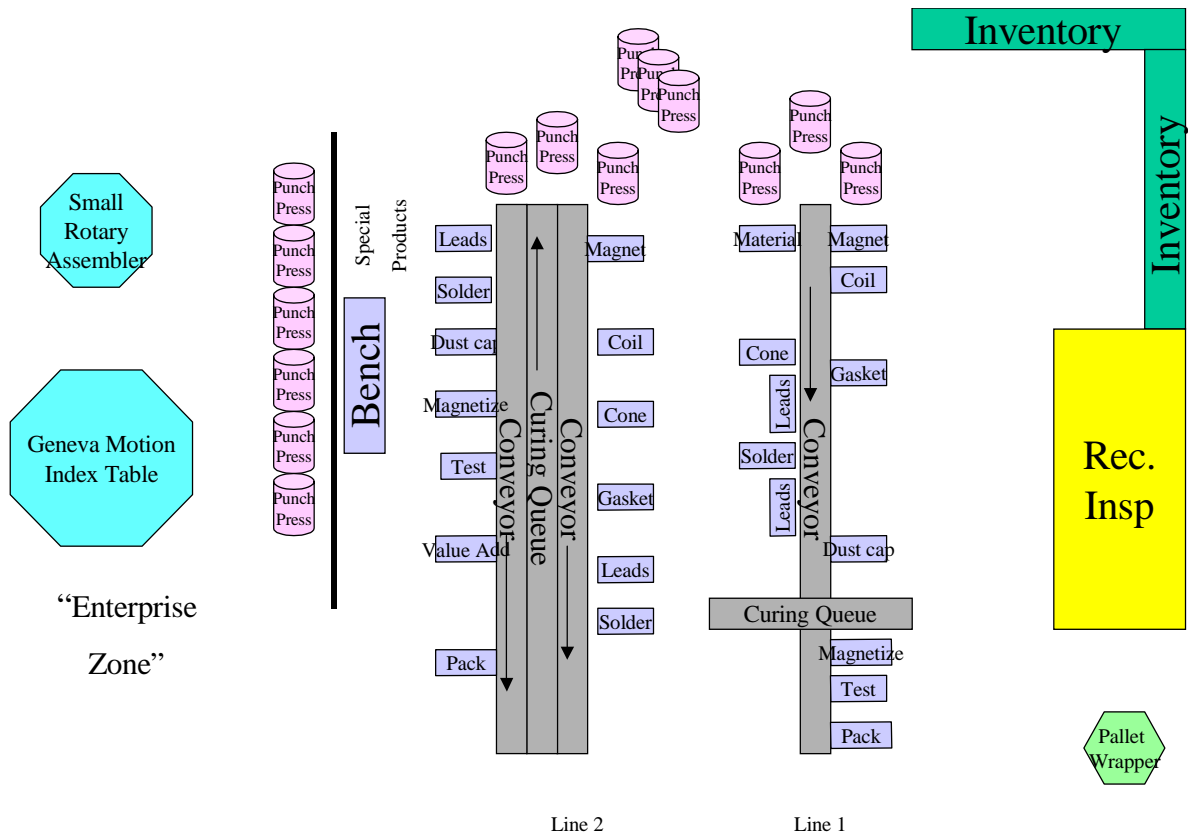


# World Class Manufacturing Floor

- Using the best loudspeaker manufacturing equipment
- Utilizing lean manufacturing principles
- Specializing in Manufacturing Craftsmanship



# Manufacturing Floor Schematic



“Enterprise Zone”

Line 2

Line 1

Engineering

# Value Added Manufacturing

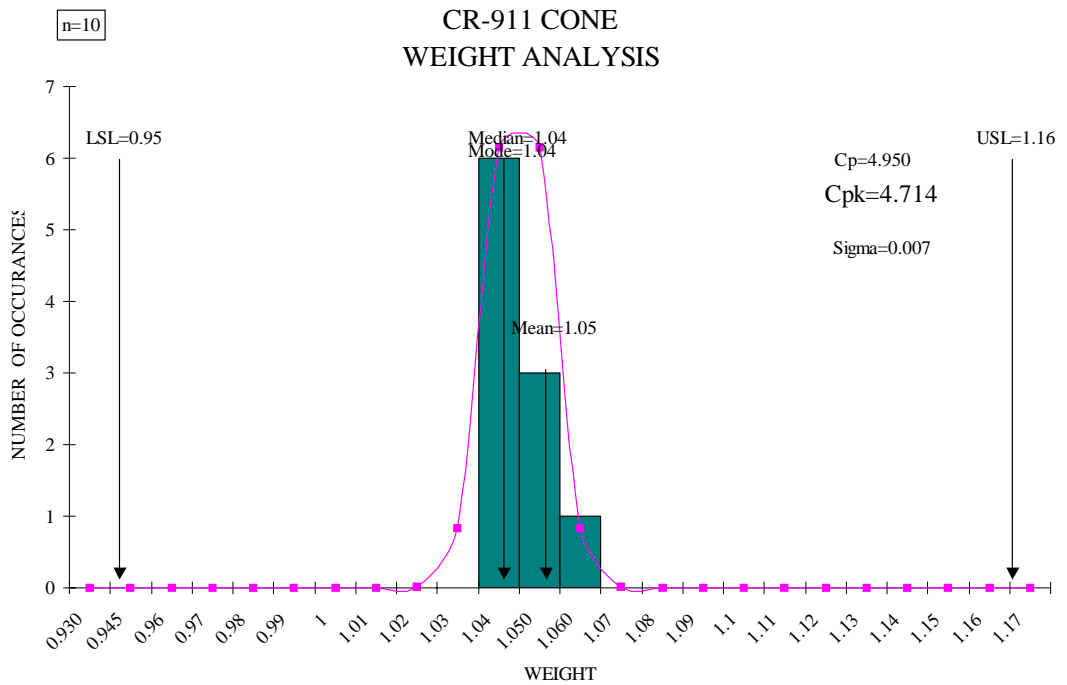
- Grills / Enclosures
- Cabling / Connectors
- Shield Cups
- Transformers



# Master Speakers Assure Manufacturing Consistency

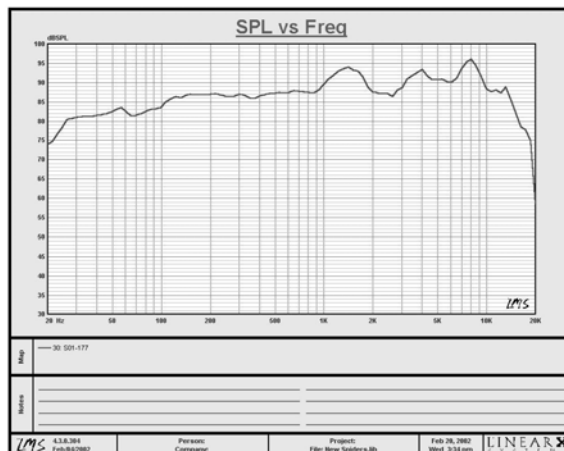
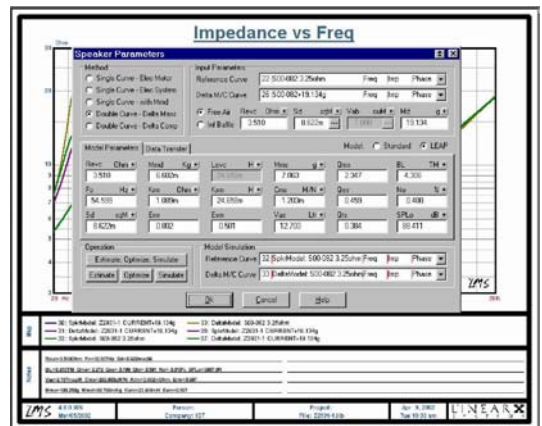
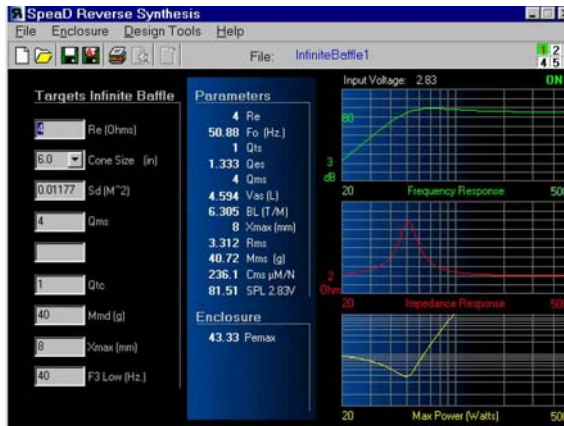


# High Quality Is Our Focus



# Designs to Your Exact Specifications

- Provide us your box parameters, MISCO will develop required Thiele-Small parameters to design transducer.
- Provide your small signal parameters and MISCO will design your transducer to match them.





## MISCO CAN BUILD ALL SIZES AND SHAPES

- **SMALL SPEAKERS ...**

- 50 X 90 MM Shielded for Voice and  
Multimedia



## AND LARGE SPEAKERS

### 12" Woofer, 80 oz Magnet



- 12" Round Woofer w/ 80 oz Ferrite Magnet, 2" Voice coil
- Paper Cone w/ Rubber edge
- Power: 200 Watts Max; 100 Watts RMS
- Impedance: 8 ohms
- Resonant Frequency: 20 Hz
- Frequency Response: 20 - 4,000 Hz
- Sensitivity: 92 dB

# VISIT OUR WEBSITE

- [WWW.MISCOSPEAKERS.COM](http://WWW.MISCOSPEAKERS.COM)
- COMPLETE PRODUCT LISTING ON-LINE



Component Fidelity Series

MODEL	SIZE SHAPE	DIAMETER MOUNTING INCHES	DEPTH TOTAL INCHES	MAGNET MATERIAL	MAGNET WEIGHT OUNCES	CONE BODY	CONE EDGE
777F04-20H	3 SQ	3.375	2.25	FERRITE	3.0	PAPER	FOAM
EN0F	3 SQ	3.375	1.1	NEODYMIUM	0.4	PAPER	FOAM
DC2P	3.5 SQ	3.867	1.31	FERRITE	2.4	PAPER	FOAM
EC20R-A	3.5 FTBALL	3.937	1.7	FERRITE	3	PAPER	FOAM
EN25SF	3.5 SQ	3.937	1.17	NEODYMIUM	0.4	PAPER	FOAM
T01P	3.5 FTBALL	3.9	1.56	NEODYMIUM	0.4	PAPER	FOAM
JAC	4 SQ	4.687	2	FERRITE	10	PAPER	CLOTH
JNC	4 SQ	4.687	1.69	NEODYMIUM	1	PAPER	CLOTH
JC4P	4.5 FN	4.687	2.07	FERRITE	10	PAPER	FOAM
JCFD	5 RD	4.687	2.07	FERRITE	10	PAPER	CLOTH
J5RTT-A	5 RD	4.687	1.95	FERRITE	10	PAPER	CLOTH
JNFD	5 RD	4.687	1.95	NEODYMIUM	1	PAPER	CLOTH
J54CD	5.25 FN	5.46	2.25	FERRITE	10	POLY	CLOTH
JN6CD	5.25 FN	5.46	2.1	NEODYMIUM	1	POLY	CLOTH
KCSAV	5.25 FN	5.46	2.5	FERRITE	12	POLY	RUBBER
Z201-I	5.25 FN	5.46	2.38	FERRITE	10	PAPER	FOAM
JC20H-A	6.5 RD	6.187	2.7	FERRITE	10	POLY	RUBBER
K020W	6.5" ROUND	6.187	2.8	FERRITE	12	POLY	RUBBER
J0RD	8 RD	7.625	3.2	FERRITE	10	PAPER	FOAM
O00PA	8" ROUND	7.625	4.2	FERRITE	38	PAPER	RUBBER
O00W	8" ROUND	7.625	4.2	FERRITE	38	PAPER	RUBBER



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