

Double HELIXX

POSITIVE MIXERS

THE DOUBLE HELIXX PRINCIPLE

The upper helix pushes the medium downward while the lower helix takes material from the bottom of the vessel and pushes upward. The two shafts rotate in opposite directions forcing further blending.



**DUAL, INTERMESHED STIRRERS
MIX HIGH-VISCOSITY MATERIALS
FASTER. UNIQUE SHAPE STIRS
KNEADS, DISPERSES AND MIXES.**

ARDE BARINCO INC

abmix@ardeinc.com • www.abmixer.com

MIX HIGH-VISCOSITY MATERIALS IN HALF THE TIME

You may have heard claims like that before, but chances are you've never seen anything like this before.

Double Helixx mixers from Arde Barinco are built around two separate mixing shafts with a unique open helix design. The tools are intermeshed, and counter-rotate upon each other to mix, stir, knead and disperse high- viscosity materials.

The helical blades create a positive folding action that results in fast, efficient mixing of high-viscosity liquids, pastes, dry or moist powders... even media as viscous as wet sand. All Double Helixx mixers ensure thorough mixing throughout the entire batch because they operate in planetary fashion. Larger models accomplish this by either a motorized base that rotates the mixing vessel, or mechanical rotation of the dual mixing tools themselves.

Medium-size models have a free-swivelling base that lets the media's own viscosity create the rotation.

The smallest, hand-held models are light enough to be moved around manually.

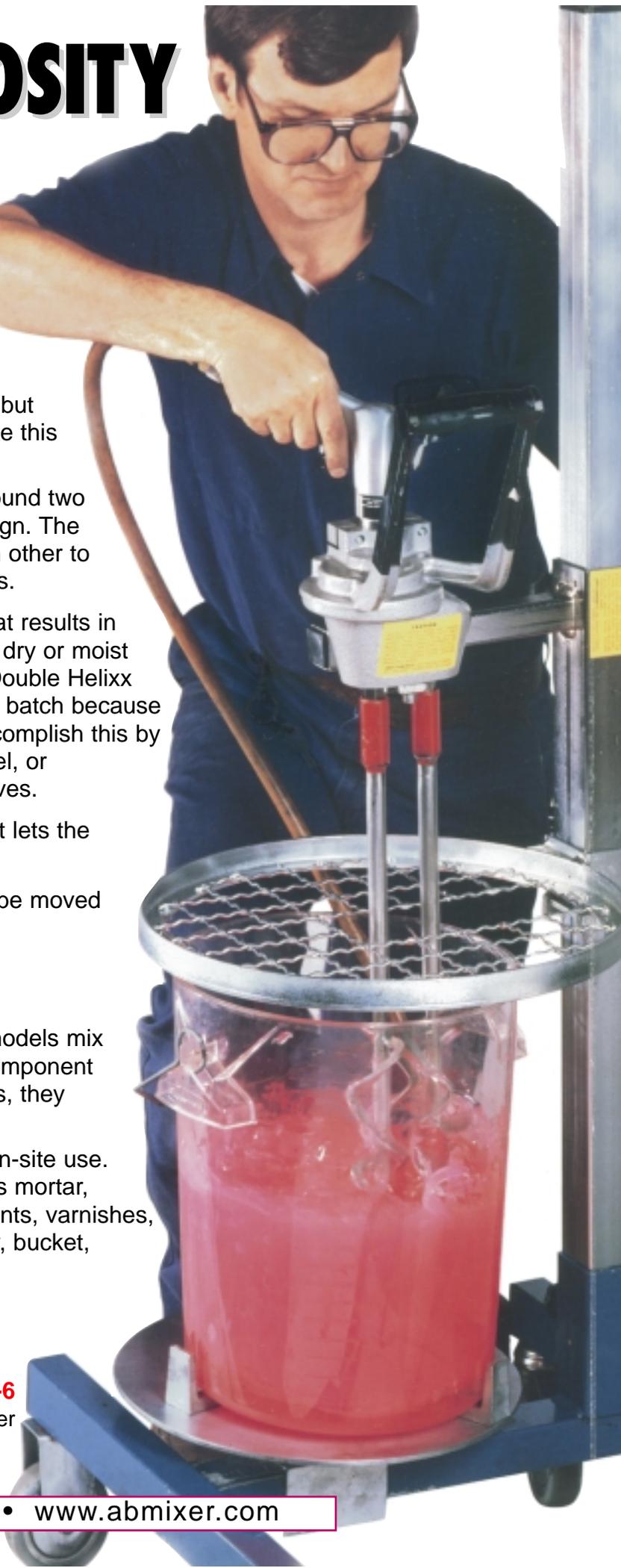
ON THE FLOOR OR IN THE FIELD

In the plant or factory, free-standing Double Helixx models mix everything from hash-style food products to multi- component epoxies, to cream honey. Even in the largest batches, they provide complete, even mixing from top to bottom.

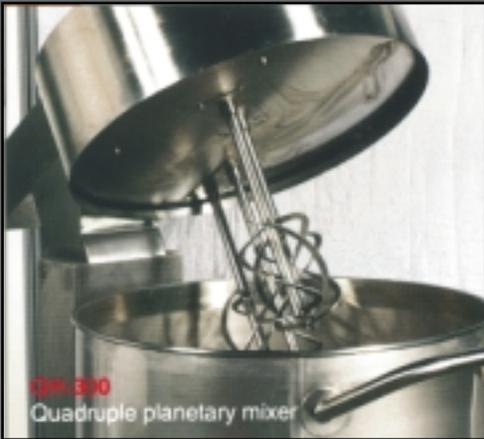
The hand-held models were specially designed for on-site use. They can mix common industrial compounds such as mortar, floor finishes, liquid plastics, coating compounds, paints, varnishes, and adhesives in virtually any vessel: a wheelbarrow, bucket, or even the medium's own shipping container

Model DH-6
Air-powered, hand-held mixer

abmix@ardeinc.com • www.abmixer.com



A COMPLETE FAMILY OF MIXERS. The Double Helixx is available in a wide variety of sizes and configurations to handle a broad range of mixing applications. The blades are made of mild or stainless steel and can be flat or round. Electric and pneumatic units are available.



QH-300
Quadruple planetary mixer

DH-201
55 Gallon Drum Mixing



DH-53
Dual separate, variable speed mixer with turntable planetary design



DH-7
Manually held field mixer

WHICH DOUBLE HELIXX MODEL IS RIGHT FOR YOUR APPLICATION?

MODEL NUMBER	CAPACITY (Gal)	POWER (HP)	MIXING TOOLS	FEATURES
DH-050	1 - 5	0.75	Dual Helixx	Drill-powered flat or round helix
DH-075	5 - 12	0.75	Dual Helixx	Portable stand with rotation
DH-6	5 - 15	1.5	Dual Helixx	Drill or air motor
DH-7	5 - 20	1.5	Dual Helixx	Heavy-duty gear reducer
DH-53	25	1.5	Dual Helix	Rotating vessel
DH-72	10 - 20	1	Dual Helix	Heavy-duty construction
DH-73	10 - 20	1	Dual Helix	Heavy-duty construction
DH-77	25 - 50	2	Dual Helix	Air powered
DH-86	25	1.5	Dual Helix	Planetary drive
DH-99	5 - 15	1.5	Dual Helix	Rotating table, winch lift
DH-201	55	10	Dual Helix	Drum mixer, 270 degree rotation
QH-300	125	(2) 7.5	Quad Helix	Four separate helix tools
DP-500	150	7.5	Tri Plow	Plow style mixing tools

ARDE BARINCO...

Innovation, Precision and Our Commitment to Help You Improve Your Process With Advanced Mixing Technology

Arde Barinco is a subsidiary of ARDE Inc., one of the nation's leading aerospace manufacturers and a key participant in the nation's space program. Our parent company's background in metallurgy, precision manufacturing and quality assurance forms a unique background for ARDE Barinco and its mixing technology.

Our engineering, manufacturing, quality and product support programs draw on these qualifications. You'll find them reflected in our per-

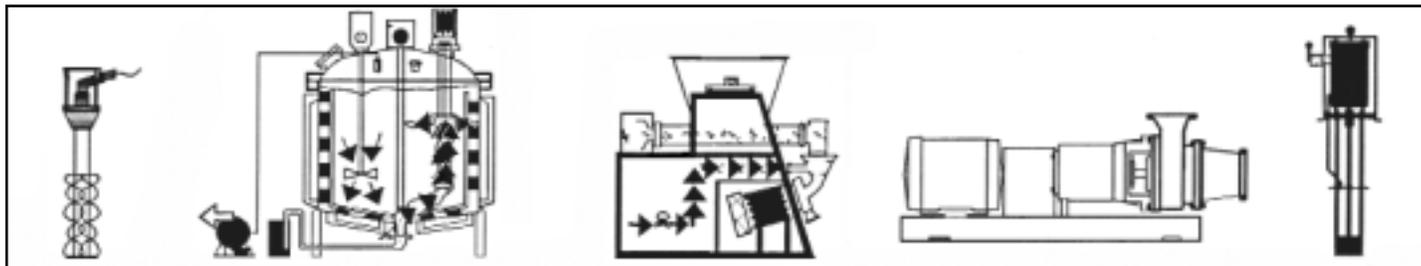
formance -- durable, reliable products and fast, customer-oriented technical support.

Equipment To Meet Your Needs

We're specialists in finding solutions to mixing problems -- and we bring a wide range of mixing technologies to bear. Our standard product line includes specialized equipment to mix hard-to-wet dry solids into fluids and to create fine-grain emulsions (droplet sizes of 1-2 microns).

We're ready to meet your needs with:

- Low Shear Solids/Fluid Dispensers ● Reversible Homogenizers
- Continuous In-Line Mixers ● Batch Processing Mixers ● Sanitary Mixers ● High-Viscosity Mixers
- Multi-Viscosity, Multi-Shear Mixing Systems with Comprehensive Process Analysis Capabilities
- Propellor Mixers ● Axial and Radial-Flow Turbines ● Anchor-Scraped Surface Agitators



Test Facilities and Rental Machines to Assure Your Satisfaction

We're committed to total customer satisfaction. The ARDE Barinco mixers in our 2,000 square foot pilot test facility are fully equipped to measure significant process parameters such as viscosity, solid particle size distribution, liquid emulsion droplet size distribution, percent solids, density, power consumption, pH, RPM, temperature, amperage draw, shear rate and shear stress.

On-line digital monitoring allows us to provide continuous, real-time feedback on many of these parameters. We'll videotape tests and demonstra-

tions to provide a visual record -- to give everyone in your operation a firsthand look at the process.



Our full inventory of rental equipment, available in most commonly used configurations, allows us to provide mixers for short-term use, to allow you to test them in your plant.

All ARDE Barinco equipment is sold with free lifetime technical support. If you have any questions or require assistance, we're always available.

Need more information? Contact us today.

875 Washington Avenue, Carlstadt, NJ 07072
201-768-6070 • FAX 201-784-0483
800-909-6070

ARDE BARINCO INC.

abmix@ardeinc.com • www.abmixer.com