



SHAPING PERFECTION: HIGH-PRESSURE ALUMINUM DIE CAST WITH PRECISION

AT ABC ALUMINUM, WE GO BEYOND EXTRUSION.
WE OFFER INTEGRATED SOLUTIONS
INCLUDING DIE CASTING.





PRESSURE DIE CASTING: ACHIEVING COMPLEXITY WITH LOWER COST

DIE CAST **IS MORE THAN JUST** MOLTEN ALUMINUM;
IT IS HIGH PRESSURE INJECTION INTO A PRECISELY
CRAFTED CUSTOM MOLD DESIGNED TO PRODUCE
YOUR SHAPE. THIS PROCESS ENABLES THE CREATION
OF HIGHLY COMPLEX GEOMETRIES AND COMPONENTS
WITH EXCEPTIONAL ACCURACY AND CONSISTENCY.



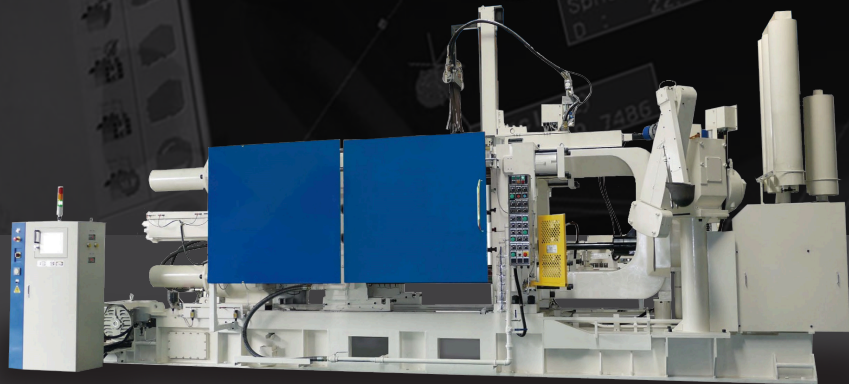


BENEFITS OF DIE - CASTING

- MAXIMIZED PRODUCTIVITY
- PRECISION IN DIMENSIONS
- SUPERIOR SURFACE FINISH (READY FOR POWDER COAT).
- CAST INTRICATE SHAPES
- COST-EFFECTIVE FOR HIGH VOLUME PRODUCTION
- FINE GRAIN STRUCTURE AND GOOD MECHANICAL PROPERTIES ARE ACHIEVED



ABC'S CURRENT PRODUCTION CAPABILITIES

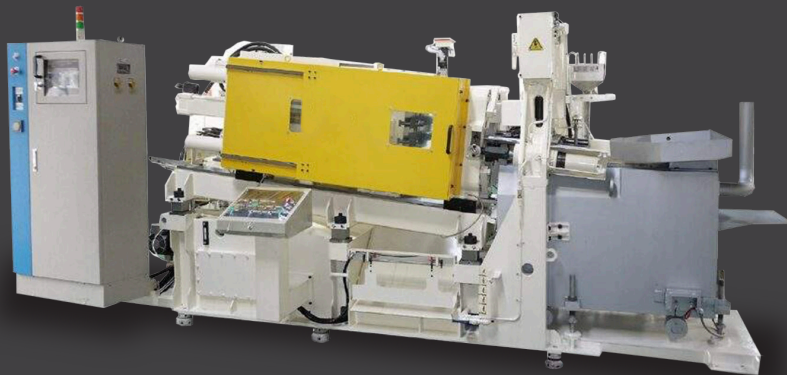


COLD CHAMBER

250 TON

COLD CHAMBER DIE CASTING: SUITED FOR HIGH-MELTING METALS SUCH AS **ALUMINUM**, THIS METHOD INVOLVES LIQUEFYING THE METAL SEPARATELY AND THEN USING A HYDRAULIC PLUNGER TO FORCE IT INTO THE DIE, RESULTING IN SUPERIOR PRECISION AND QUALITY.

ALUMINUM DIE CASTING



HOT CHAMBER

315 TON

HOT CHAMBER DIE CASTING: IDEAL FOR LOW-MELTING ALLOYS LIKE **ZINC** AND CERTAIN MAGNESIUM ALLOYS, THIS METHOD INVOLVES INJECTING METAL DIRECTLY INTO THE DIE, MINIMIZING EROSION AND MAINTAINING COMPONENT INTEGRITY.

ZINC DIE CASTING

NEW EQUIPMENT

HOT CHAMBER

700 - 850 TON

3 TIMES MORE PRODUCTION

OTHER CAPABILITIES:

- POWDER COAT
- ANODIZE
- PUNCHING
- WELDING
- THERMAL BREAK
- BENDING
- CNC MACHINING
- FINAL ASSEMBLY
- KITTING





**WE ELEVATE
OUR RESULTS
WITH OUR IN-HOUSE
TOOL FABRICATION
AND REPAIR SHOP.**

WE HAVE THE MOST ADVANCED TECHNOLOGY
AT OUR DISPOSAL, ENSURING SMOOTH OPERATIONS
AND A STRONG DEDICATION FOR ACHIEVEMENT
OF OUTSTANDING RESULTS.

**IN HOUSE CAPABILITIES ALLOW US TO SAVE TIME
AND MONEY, AS WELL AS CONTROL IP OF THE DIES.**



WE PRIORITIZE EXCELLENCE
BY ALIGNING WITH NADCA STANDARDS
AT THE CORE OF OUR OPERATIONS.



NADCA

NORTH AMERICA DIE CASTING ASSOCIATION

- QUALITY ASSURANCE THROUGH INDUSTRY-WIDE STANDARDS
- ACCESS TO TECHNICAL EXPERTISE AND BEST PRACTICES
- NETWORKING AND COLLABORATION WITH INDUSTRY PROFESSIONALS





TAKE THE FIRST STEP AND INITIATE YOUR DIE CASTING PROJECT TODAY WITH US.

TRUST OUR PRESSURE DIE CASTING EXPERTISE
TO BRING YOUR DESIGNS TO LIFE
WITH UNPARALLELED **PRECISION** AND **EFFICIENCY**.



BUILDING A LIGHTER FUTURE
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