

AGRI-PLASTICS

CUSTOM ROTOMOLDING



We mold your
ideas into reality.

A full-service company that
develops, creates and produces
high-quality rotomolded
plastic products with efficiency
and ingenuity.

AGRI-PLASTICS
Group of Companies



What We Do:

1

ROTATIONAL MOLDING

WAREHOUSE / MANUFACTURE

2

3

27+ YEARS IN BUSINESS

FINISHING / ASSEMBLY

4

5

LABELING / PACKAGING

ROBOTICS / CNC TRIMMING

6

7

QUALITY ASSURANCE

3D CAD DESIGN

8

MISSION

Our mission, regardless of which of our many services you select, is to continually exceed your expectations on quality, delivery time, and overall service while providing you with an economically satisfying solution for your OEM or other custom product needs.

EXPERIENCE

Agri-Plastics Custom Rotomolding was founded in 1995 by the VanBuuren family to satisfy a need for quality agricultural equipment, and very quickly became one of the the largest calf hutch molders in the world. We then expanded our markets to include custom molding of OEM components, and they acquired the Diamond Plastics ATV product line in 2009. Throughout this time, as the company has grown, we have endeavored to employ very experienced staff in all areas of the business, which has allowed continuing credibility and growth in the market.

FACILITIES

Agri-Plastics Custom Rotomolding has modern facilities located in Grassie, Ontario and Sidney, Nebraska. We are geographically positioned to serve both the Canadian and American markets. With over 260,000 square feet of manufacturing space, and the most modern equipment available, we are well-equipped to fulfill your requirements.

EXAMPLES OF INDUSTRIES WE WORK WITH:



Agricultural



Home and Garden



Medical



Industrial



Recreational



Eco-Friendly

Material Processing

HIGHER MATERIAL VOLUMES:

Unlike many smaller rotational molders, Agri-Plastics Custom Rotomolding has sufficient volumes of material to allow us to commit to the much superior method of melt compounding our colored polyethylene. When dry-mixing pigment into polyethylene, the pigment acts as a foreign body, significantly decreasing the physical integrity of the material. Melt compounding creates a more homogeneous blend and allows physical properties, such as impact resistance, to be far greater. This is very important to most OEM customers, as well as for any product that might receive impacts through normal use. Melt compounding also allows for richer and more consistent colors. In addition, we have the ability to add fire retardants, ultraviolet light absorbers, antistatics, and many other additives.

Another benefit of having higher material volumes is that we pulverize our own material. This allows us to create and meet a quality standard that actually enhances the durability and consistency of the material and therefore the final product.

EXTRUDERS AND PULVERIZERS

With a large in-house extruder, we can enhance resins with additives such as opacity fillers and color. On-site pulverizing allows us to create the highest quality resin powder, helps with the speed of production, and lowers the overhead costs to the customer.



How It's Made

ROTATIONAL MOLDING - THE PROCESS

Depending on the part size, single or multiple molds are placed on the arms of the machines. Premeasured, granulated plastic material is loaded into each mold, which is then closed. The arm with the molds is then indexed into an oven where they are slowly rotated on both the vertical and horizontal axes. Utilizing heat

and continual multi-axis rotation, the powder melts against the inside of the mold, forming a hollow seamless part with even wall thickness. The molds then index to a cooling stage where they continue the multi-axis rotation until they are cool enough to remove the product.



Services

ROBOTICS:

Agri-Plastics Custom Rotomolding has the ability to process larger volumes by using state-of-the-art robotic equipment. This allows us to economically finish very complex and precise parts that many of our competitors would not be able to supply.

Our robotics systems are quick, precise and consistent. Automated trimming improves safety, consistency, and efficiency while reducing labor costs and scrap rates.

Smaller products with custom cuts can be challenging to do by hand. With our smaller CNC cell, we can execute precision cuts that are consistent every time, which saves time and money. Our larger Kuka robot works great for larger products. Cuts are made quickly and efficiently. Not only do you get consistency and accuracy with every custom cut, but you also get speed.



Trim Cell



Trim Cells and Finishing Station



Kuka Trim Cell

ASSEMBLY AND PACKAGING SERVICES

Our customers are very aware of the cost and the environmental impact of shipping product. In response, we began our assembly service which actually allows us to use a customer's molds to produce the product. We then assemble, package to specification and ship to their customer direct from our warehouse. Our customer needs to never handle the product.



WAREHOUSING SERVICES

In addition to the assembly and packaging services is our ability to warehouse our customer's product. This can be done to allow full regional trailer loads to build, or to offset some seasonality trends.



PRODUCTION DESIGN SERVICES:

Many of our customers have the knowledge and resources to fully design a part, and we need to only review the drawing lines. Others have a product design, but need us to advise on changes to allow it to be properly molded, while others only have a product idea and no drawings. In all cases, we have the ability to help. Our designers, using the most current CAD programs, are able to mold your ideas into reality.



QUALITY ASSURANCE:

Along every step of the process, we have numerous inspections so that all products meet our rigorous standards. Ultrasonic testing for thickness, resin testing for powder quality, low-impact testing for minimal brittle failures, and various visual quality control procedures are put in place for the entire production cycle.



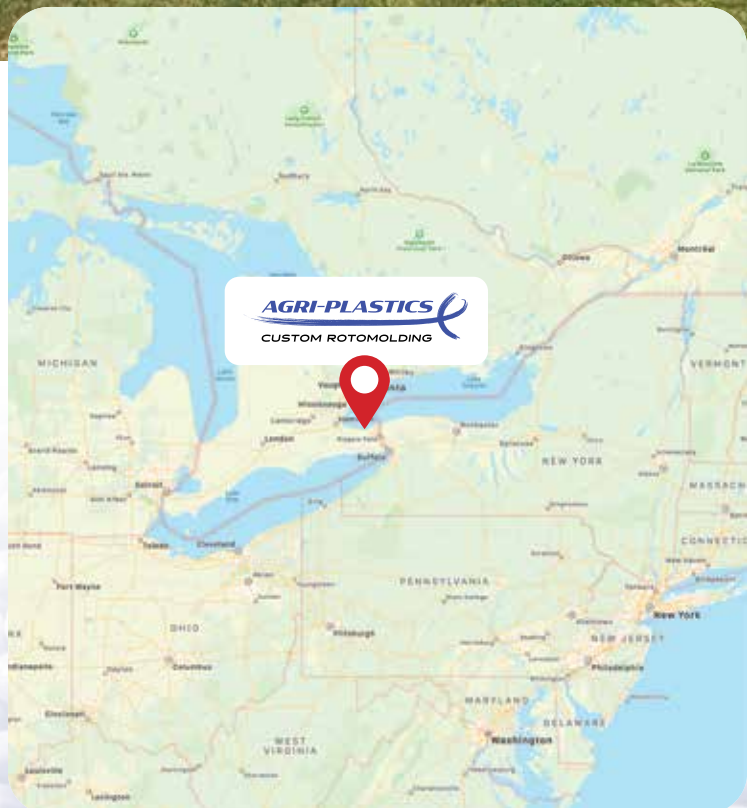
Locations

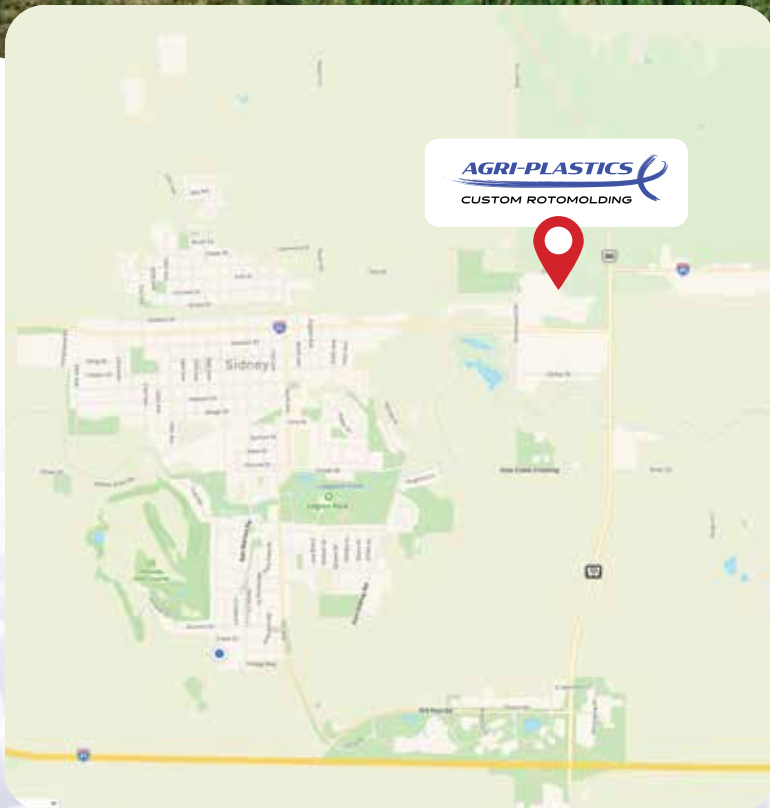
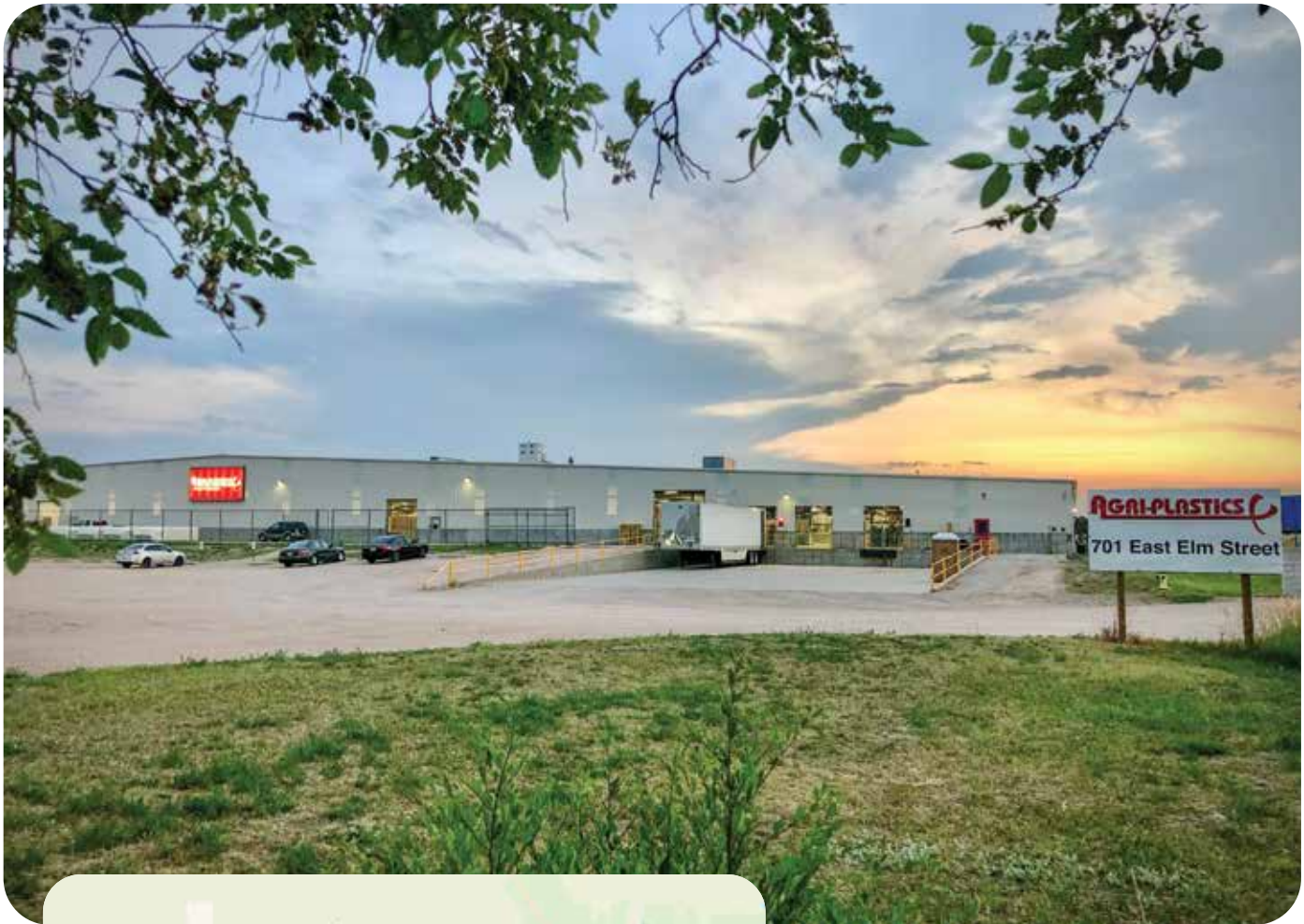


CANADA: GRASSIE, ONTARIO

This facility is ideally located near major interstates for customers in both Canada and the northeastern U.S. Our large footprint allows us to provide you with an enormous capacity for all of your rotomolding needs. Our production facility and warehouse is over 100,000 square feet with the following capabilities:

- 8 Rotomolding machines
- State-of-the-art powder dispensing system on each molding machine
- 1 Robotic trimming cell
- 1 Pulverizer
- High intensity mixing
- In-House recycling program
- 5 Shipping bays
- 24-Hour production





USA: SIDNEY, NEBRASKA

In 2018, a second production facility in Sidney, Nebraska was added. By having a manufacturing and distribution plant in the western U.S., Agri-Plastics was able to meet higher production demands, as well as deliver product out to the customer faster. The plant is 165,000 square feet with the following capabilities:

- 9 Rotational molding stations
- State-of-the-art powder dispensing system on each molding machine
- 3 Robotic trimming cells
- 1 Extruder / 2 Pulverizers
- In-House recycling program
- 5 Shipping bays
- 24-Hour production

Our Machines

GRASSIE, ONTARIO



1500 McNeil Machine



220 Ferry Machine



1800 McNeil Machine



Rotoline 2.5 Machine



Allan Yorke HB260 Machine



Rotoline 2.6 Machine



Rotoline 3.0 Machine



400 Ferry Machine

SIDNEY, NEBRASKA



1500 McNeil Machine



220 Ferry Machine



280-1 Ferry Machine



280-2 Ferry Machine



280-3 Ferry Machine



280-4 Ferry Machine



CR 3.6 Rotoline Machine



STP-1 Machine



STP-2 Ferry Machine



We Mold Your Ideas INTO REALITY.

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