

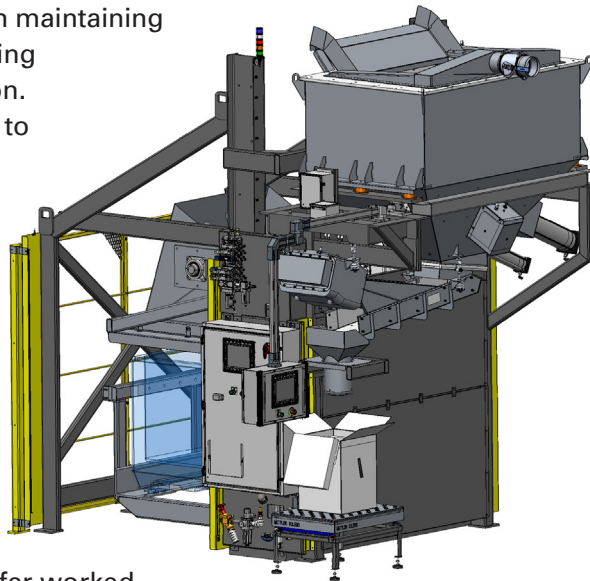


## Discharging Systems Play Key Role in Vaccine Distribution

### CUSTOM SYSTEMS HELP SAFELY TRANSPORT VACCINE AT LOW TEMPERATURES

With COVID-19 vaccines in distribution, never has dry ice played a more critical role than the one it plays in maintaining the vaccine's integrity during high-volume transportation. Material Transfer is proud to put more than 30 years of experience in customizing discharging systems to work as an important part of the distribution supply chain.

Tapped to design and build customized equipment that would dispense dry ice into temperature-controlled containers, Material Transfer worked faster than ever before. Leveraging the talents of its experienced and committed team, Material Transfer produced discharging systems in just eight weeks. "To design and build customized equipment this rapidly, requires a level of knowledge and experience we are fortunate to have on our talented team," said Scott Nyhof, president.



### UP TO THE CHALLENGE: DISCHARGING SYSTEMS PERFORM TO HIGHER STANDARDS

Material Transfer is no stranger to the complexities associated with custom design and build programs.

**For vaccine distribution, the following had to be addressed:**

- **Reduce ice to pellet-sized consistency.**
- **Meter ice evenly** to protect each vaccine.
- **Monitor ice** discharged during packaging.
- **Automate the process**, integrating a:
  - Crusher
  - Scale System
  - Feeder
- **Implement controls** to report diagnostics to vaccine manufacturer.



*We're humbled to play a role in delivering the COVID-19 vaccine to millions of Americans. With lives on the line, the Material Transfer team worked tirelessly to design and build these discharging systems in record time.*

*I couldn't be prouder of our team.*

Scott Nyhof, Material Transfer President



**We hold ourselves to a higher standard for every customer we serve. Let us know how we can put our talented and dedicated team to work for you.**