THE IMPACT OF 3D PRINTING ON THE SUPPLY CHAIN

TRADITIONAL

Raw Materials

Multi-Stage Distribution (Deliver)

Consumer

Retailer

Manufacturer (Make)

Multi-Sources (Source)

3D PRINTING

Direct Distribution (Deliver)

3D Printing (Source & Make)

Customer

Application awareness

Technology knowledge

Design for additive manufacturing

Access to equipment and materials

VERSUS

Quick questions to ask:

- Do you have the equipment?
- Do you have the materials?
- Do you have the time?
- Is the part complex?
- Will it be cost effective?

3D Printing vs. Traditional

- In-House
- Outsourcing

Information & Feedback Flow

- 3D Printing
- Traditional

- Print for pickup
- Spares parts printed on demand & delivered within 24 hours
- Reduced inventory costs
- Local production
- Low labor units (no need to follow cheap labor rates)
- No tooling costs
- Faster reaction

30% of respondents believe that potentially, the greatest disruption to emerge from widespread adoption of 3DP will be the restructuring of supply chains.1

42% of manufacturers believe that 3D printing will be used for high-volume production in the next 3-5 years.1

65% of respondents are already using or will invest in 3D printing over the next two years as they discover innovative approaches to create products and augment manufacturing operations.2

65%

KEYS TO 3D PRINTING SUCCESS