WHAT IS 3D PRINTING?

3D PRINTING BUILDS PARTS LAYER BY LAYER FROM DIGITAL FILES

IT'S ADDITIVE

ADDITIVE

High-quality parts are built by adding material, not subtracting it as with machining, cutting or other common methods.

LESS WASTE

High-quality parts are built by adding material, not subtracting it as with machining, cutting or other common methods.

LOWER COST

DESIGN FREEDOM

IT'S DIGITAL

DIGITAL

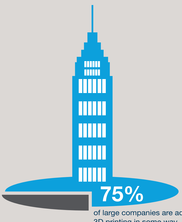
3D model data from CAD design tools or 3D scanners can be shared or protected like any digital file.

GLOBAL COLLABORATION

VIRTUAL INVENTORY

IT'S EASY

WHICH PROS USE IT?



75%

of large companies are adopting 3D printing in some way.

59%

of small companies are adopting 3D printing in some way.

Source: PwC and Zpryme survey and analysis, "2014 Disruptive Manufacturing Innovations Survey"

"The number of job ads requiring workers with 3D printing skills increased **1,834%** in 4 years and 103% when comparing August 2014 to August 2013."

Source: Wanted Analytics

TOP 3D PRINTING JOBS:

Industrial Engineers

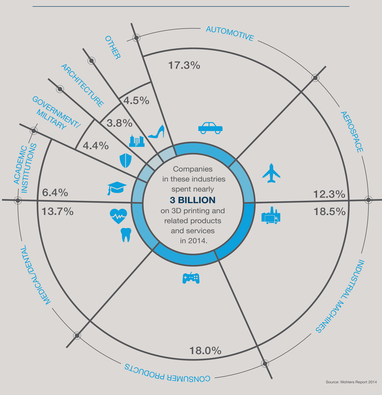
Mechanical Engineers

Software Developers, Applications

Commercial and Industrial Designers

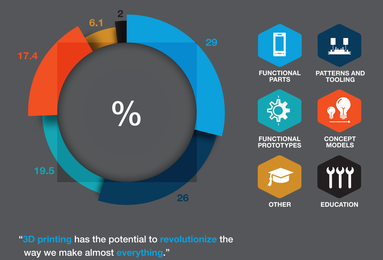
Marketing Managers

Source: Wanted Analytics



Source: Wohlers Report 2014

HOW THE PROS USE IT



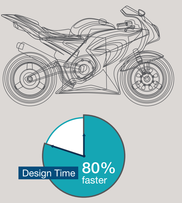
"3D printing has the potential to revolutionize the way we make almost everything."

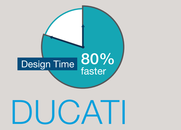
Barack Obama

Source: Wohlers Report 2014

WHY THE PROS USE IT

To Speed to Market

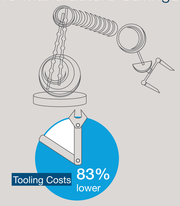


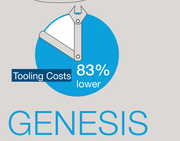


DUCATI

Ducati reduced development time by 20 months for its Desmosedici race bike engine. http://goo.gl/f0nU62

To Manufacture Savings

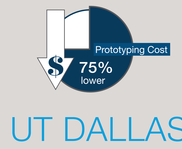




GENESIS

Genesis created robotic grippers in much less time and at a fraction of the usual cost. http://bcove.me/ogzbtjl0

To Protect Project Budgets



UT DALLAS

University of Texas, Dallas reduced the cost of prototyping athlete concussion sensors. http://goo.gl/FjuAkX

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