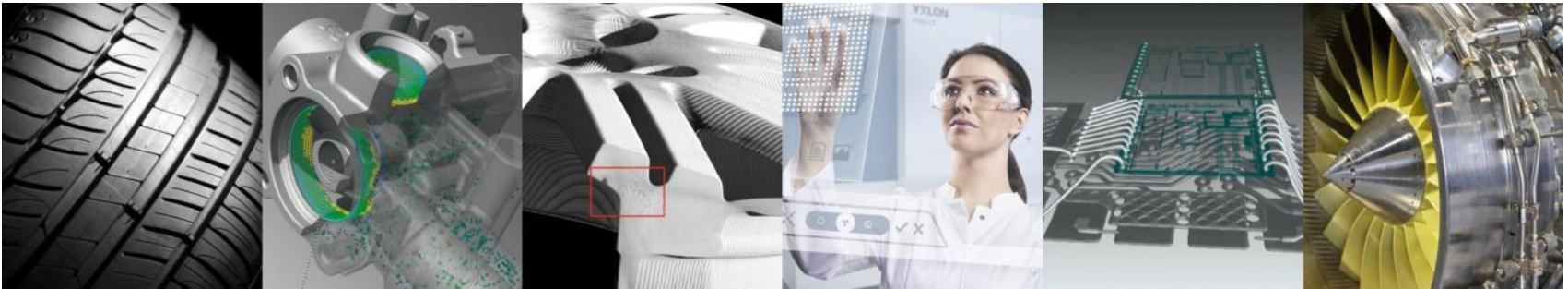


3D market trend creating new opportunities in YXLON customer segments

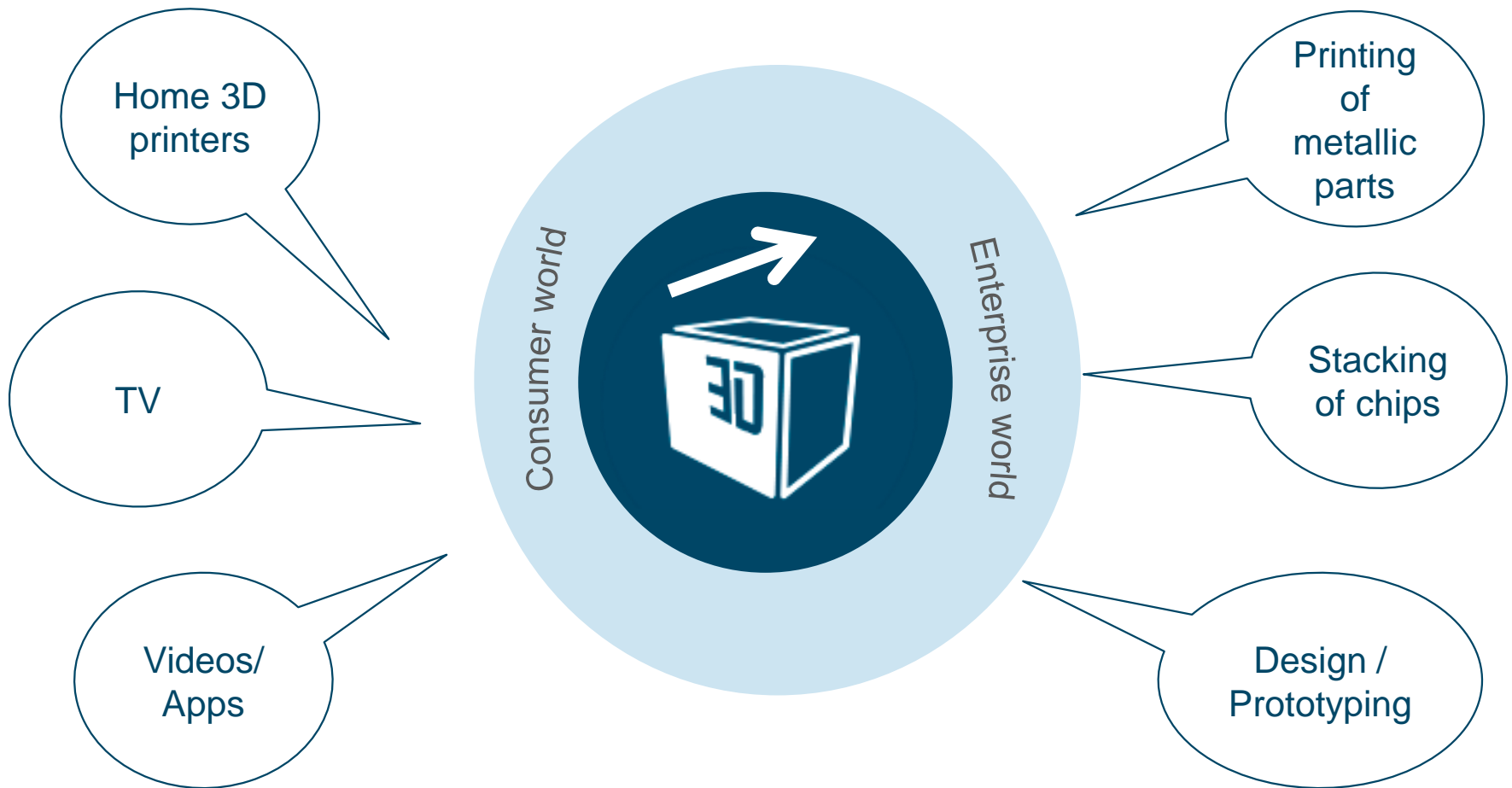
Stefan Moll, President X-Ray Systems



YXLON

Technology with Passion

3D : A global trend evolving rapidly



Consumer world: 3D is evolving

(Home) 3D Printers



Sales in 2013: 412 m USD
pcs sold in 2013: 56.000
pcs sold in Q1+2 2014: 55.000

3D TV & Cinema



almost every newly released TV model with capability for 3D

3D Camera/ Video/ Apps



Applications and opportunities in the 3D technology market have gradually increased



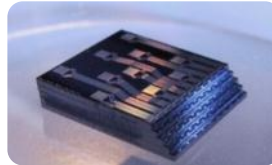
Consumer market will be outpaced by business applications in the next 3-5 years

3D Printing of metal parts



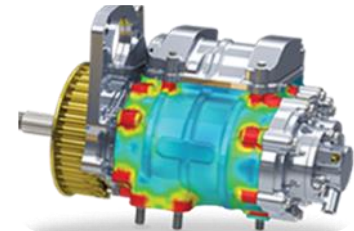
fastest growing segment of 3D printing industry

3D Stacking of electronic chips



>15%
expected CAGR of p.a.
over next 3 years

3D Design

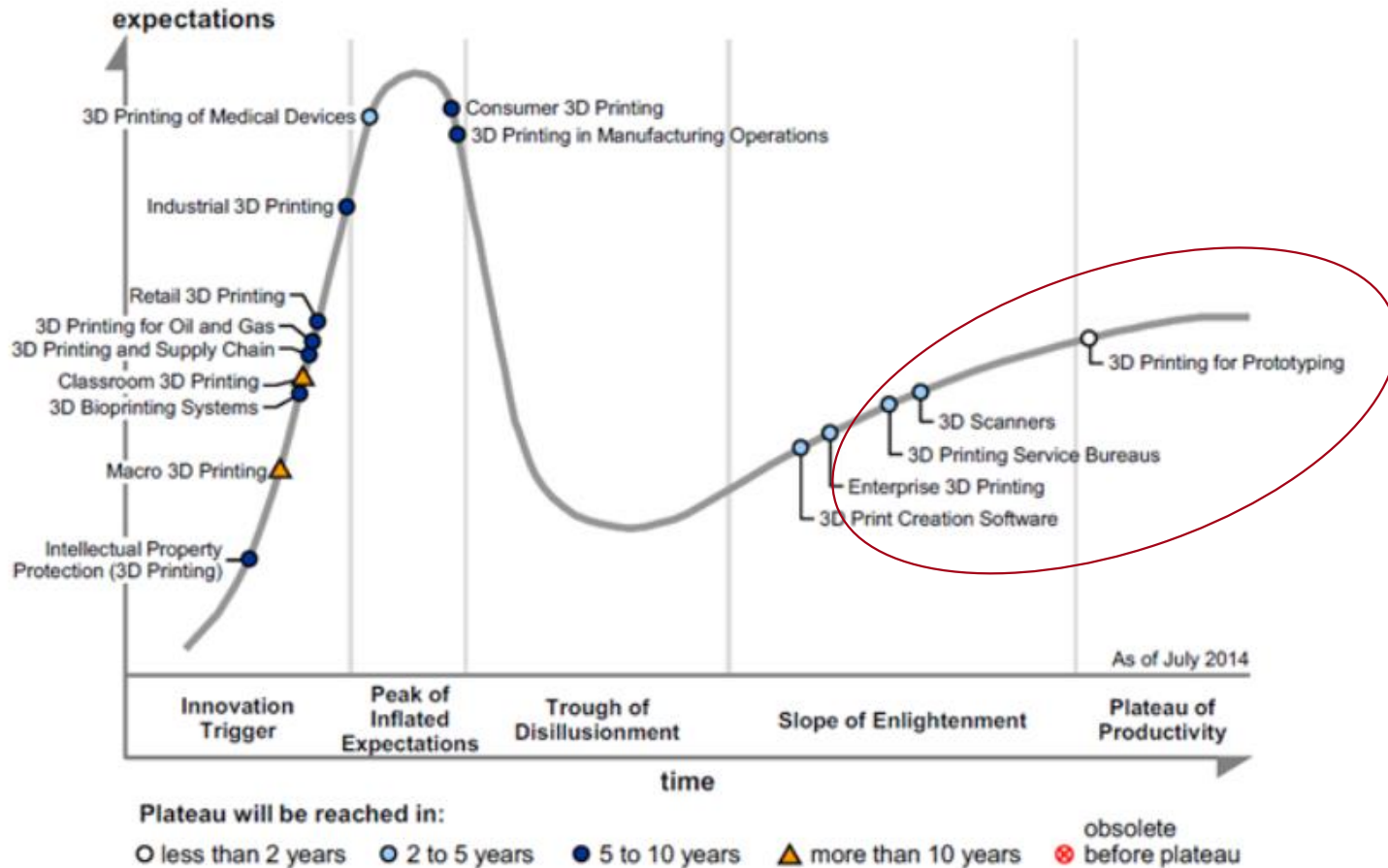


First sample testing increasingly in 3D

ca. **10-12 mio**
workplaces with CAD
SW to design in 3D

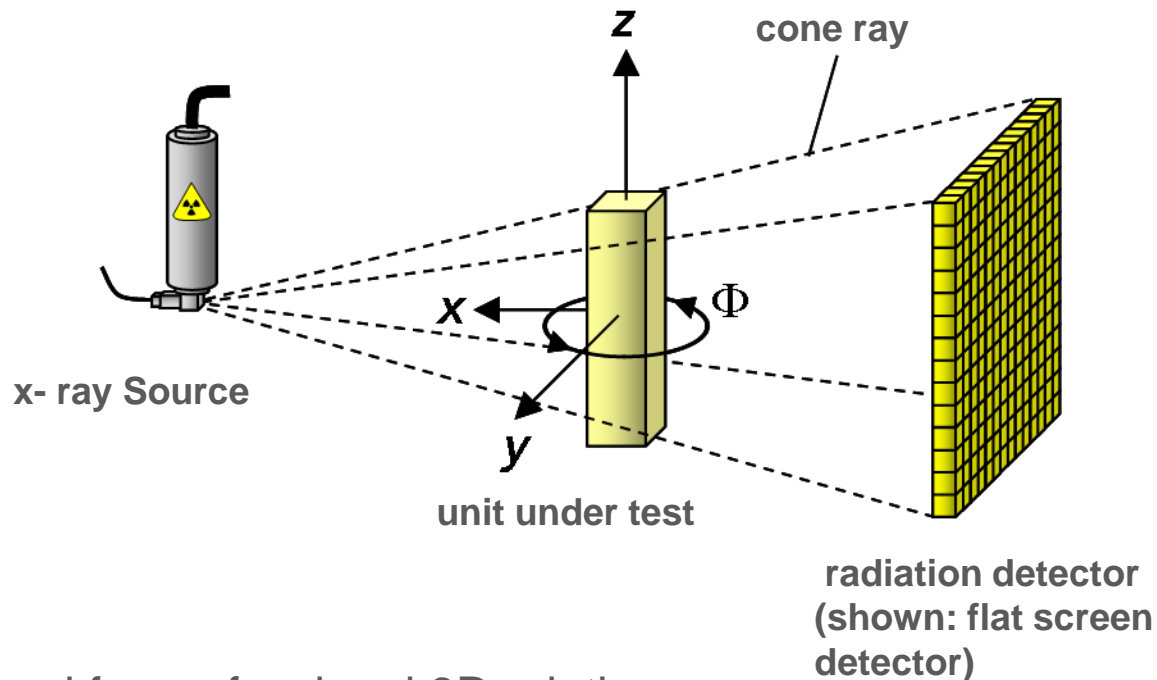


In two to five years, there will be greater adoption of enterprise 3D printing



Source: Gartner (July 2014)

If you want to see inside and 3D, computed tomography (CT) is the only solution.



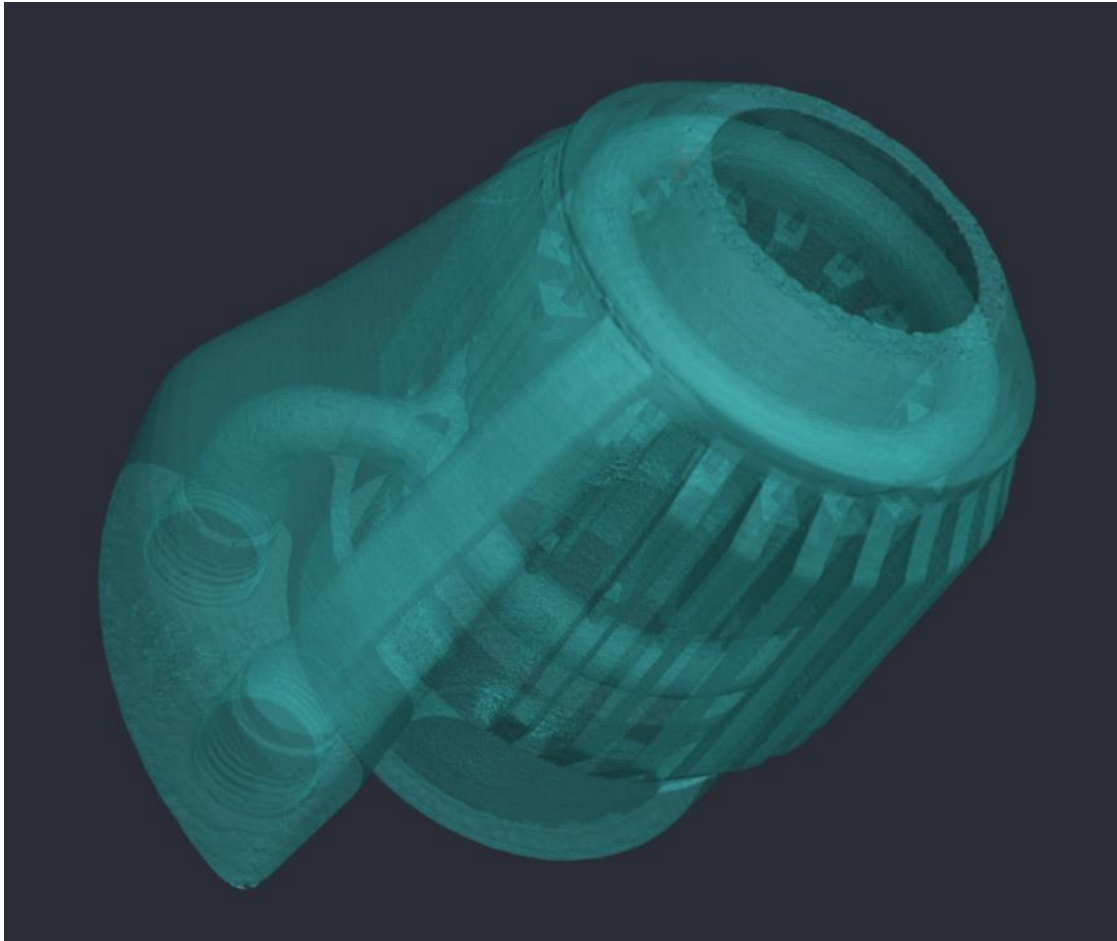
The demand for professional 3D printing will step up the demand for CT scanners

3D printed metal: Cooling head for welding robot



- Easy production of 3 D printed part.
- Single part out of Titan Aluminum / No assembly. No difficult casting .
- Printed within 3h fully automated.
- 100% test desired to assure internal structure and channels.
- Only 3D/CT can give the answer →

Complexity hidden inside: Cooling channels



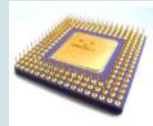
www.ifw-jena.de / Konstruktion Stefan Lorenz

3D is a technology driver for all six YXLON customer segments

3D printing
3D stacked chips
3D design
...



Electronics



Tire



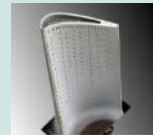
Wheel



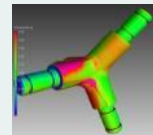
Foundries



Aerospace



Laboratories & R&D



3D trend driving significant upside potential for YXLON in the coming years 2016 and beyond

3D printing
3D stacked chips
3D design
...



Creating more complex objects

Difficult for traditional testing methods

X-ray CT scanning can handle any complexity

3D increasingly adds to YXLON CT Sales

- **Electronics:** 3D Chips & testing in Electronics are here today and growing
- **Aerospace:** 3D printing in Aerospace is a powerful trend and will add strong growth.
- **Foundries** and others: Next adaptors, prototype → small series → ...

YXLON is competitively positioned for 3D/CT

1. Deep understanding of the customer's processes, decades of experience

2. Unique software platform made to serve average people and not only PHDs.

3. Only company to offer the whole range of CT system sizes and energies → which allows a wider range of parts to be analyzed



Release of first two system types by end of 2014

Believing in 3D means believing in YXLON

... and as they say:
Seeing is believing
So please join us to have a look at our
newest system: the **YXLON FF20CT**