

Another breakthrough
from Veeco.

This time it's **EPIK**.

Introducing the new
TurboDisc EPIK700
MOCVD System

September 4, 2014

EPIK700 Raises the Bar **TO A NEW LEVEL** of Productivity and Yield to Maximize Customers' Profitability

2010

K465i Becomes Market Leading MOCVD System

- #1 selling MOCVD tool
- Leader in yield and productivity



2011-2013

MaxBright Becomes Market Leading MOCVD System

- #1 selling MOCVD tool
- Compact cluster architecture
- MaxBright is yield and productivity leader



2014

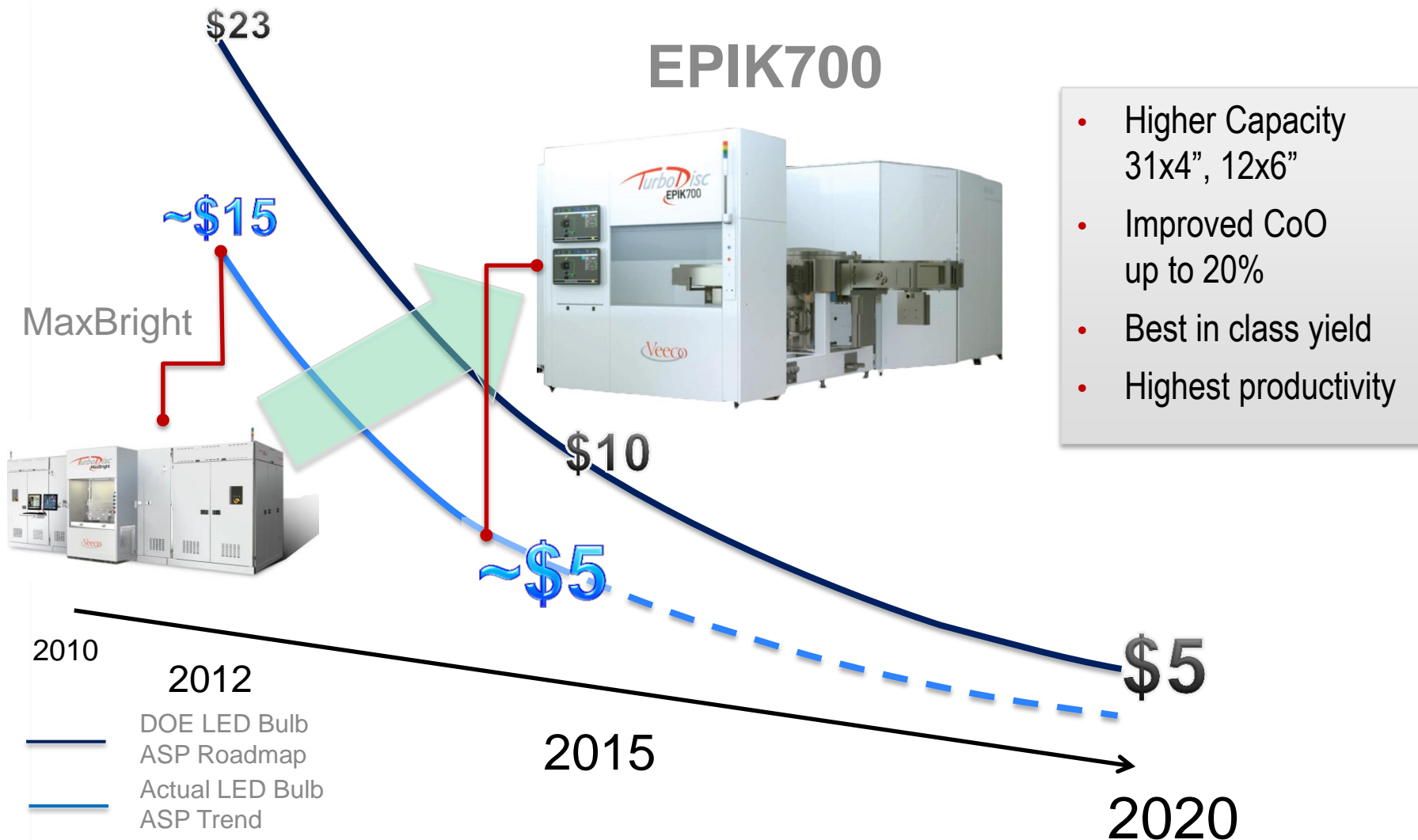
EPIK700 Extends Veeco's Leadership

- Highest productivity MOCVD platform with up to 20% improved CoO
- Best in class yield
- Fastest to production with easy process transfer
- Most efficient capital investment



(Ref: IHS Research)

EPIK700 to Drive LED Bulb Cost Roadmap Lower



Note: Actual LED Bulb ASP may vary depending on customer use cases and region.

LED Industry's Highest Productivity and Lowest Cost of Ownership MOCVD System

Highest productivity MOCVD platform with up to 20% improved CoO compared to previous generations

Designed for best-in-class uniformity which provides greater wafer yield

Fastest to production with easy process transfer

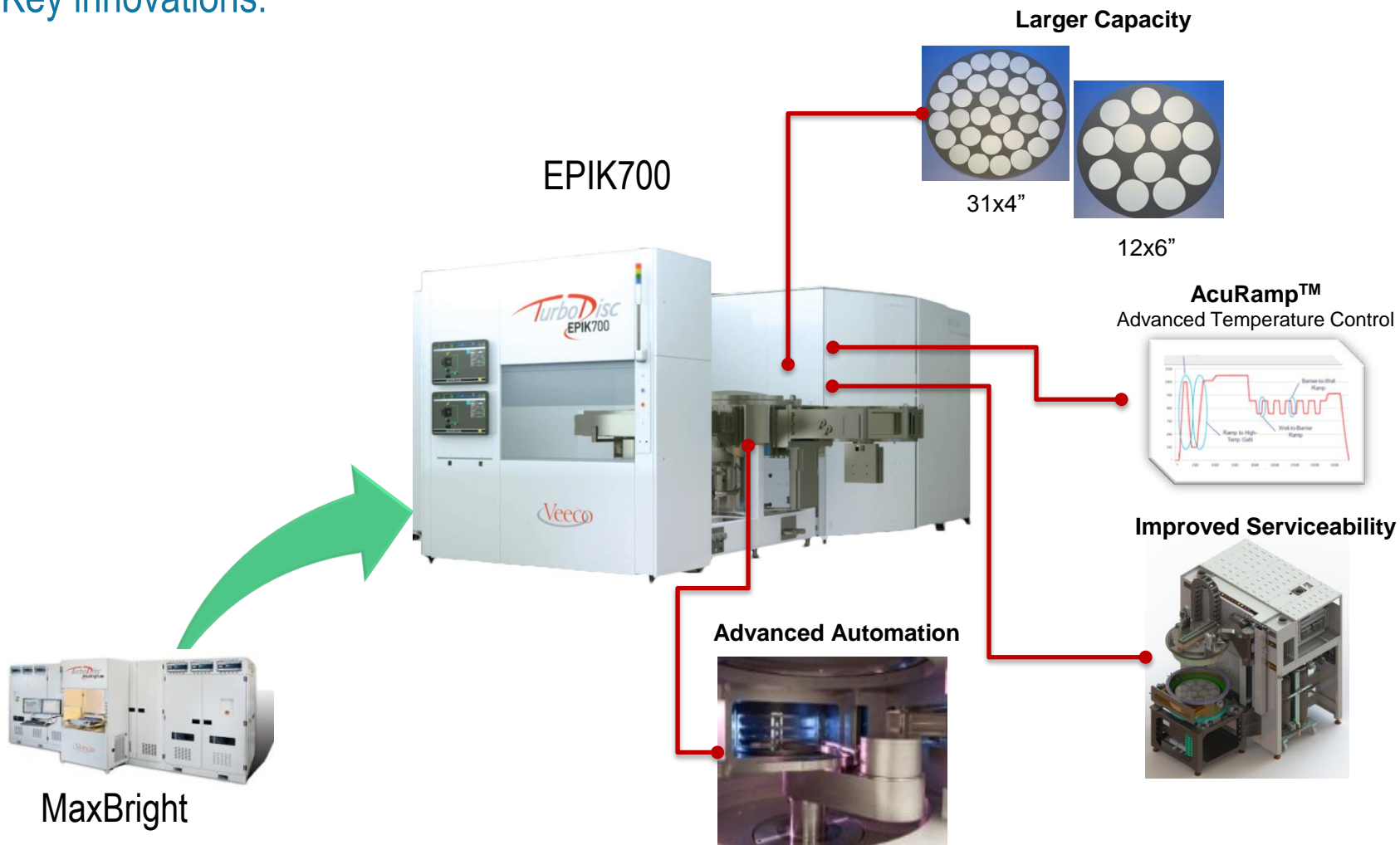
Most efficient capital investment for maximum profitability



EPIK700 Significantly Lowers Customers' Costs Per Wafer

EPIK700 Maximizes Productivity

Key innovations:

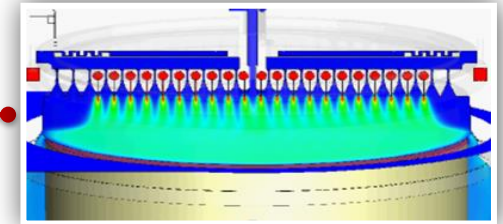


Best-in-Class Uniformity with Key Innovations

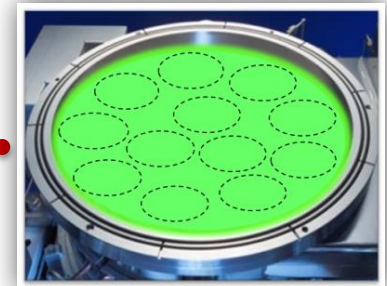
Key innovations:

EPIK700

IsoFlange™ Technology
Improved flow uniformity



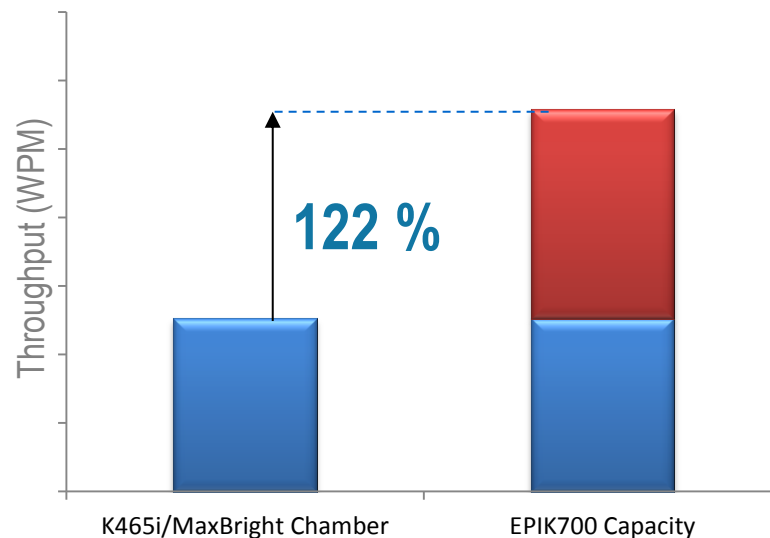
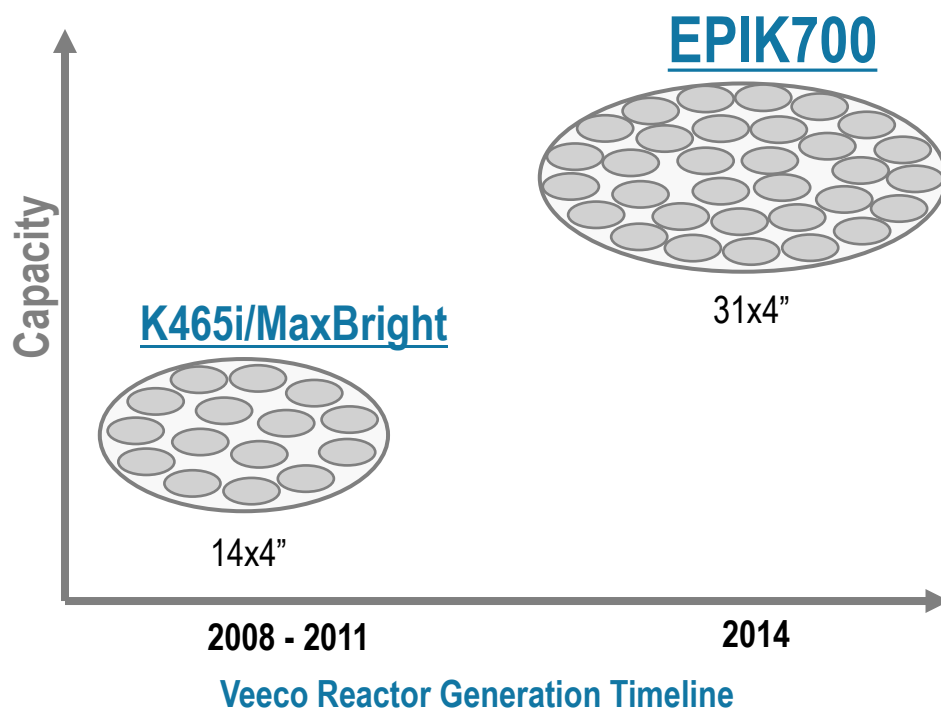
TruHeat™ Technology
Improved temperature uniformity



MaxBright

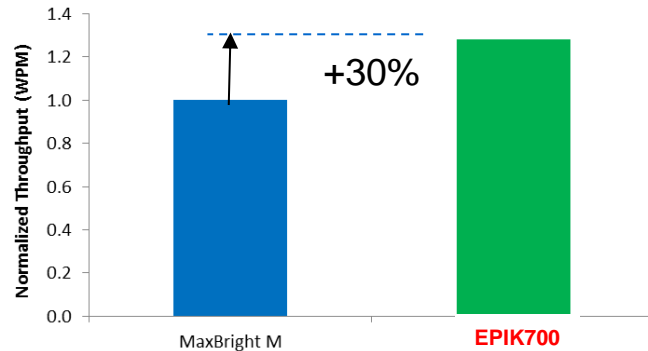
Capacity Increase Improves Throughput

Wafer carrier capacity increase

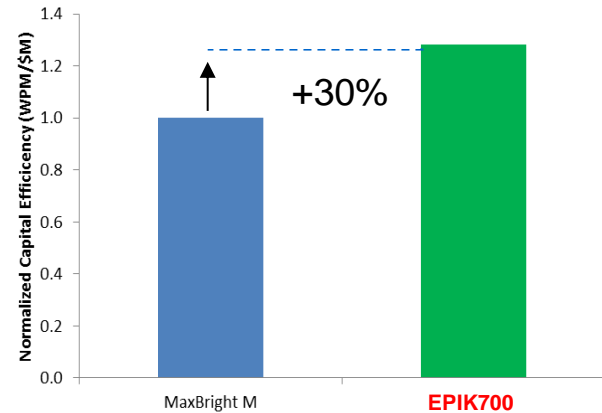


EPIK700 Difference – Up to 20% CoO Advantage

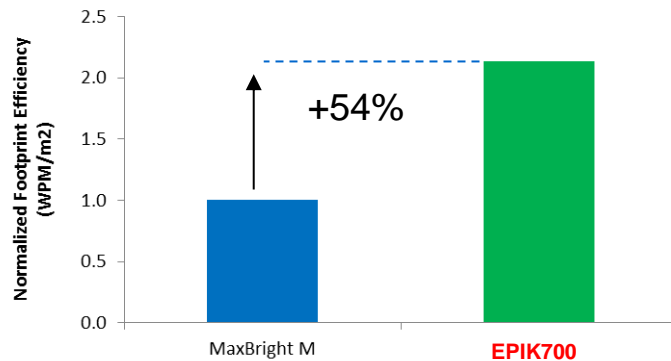
Yielded throughput (K wafers/year)



Capital efficiency (WPD/\$M)



Footprint efficiency (WPD/m²)



CoO per wafer (\$/wafer)

