The background of the slide is a photograph of the interior of a MOCVD system. It shows a large, circular, metallic chamber with a grid of circular openings on the floor. The lighting is bright, highlighting the metallic surfaces and the circular patterns.

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**

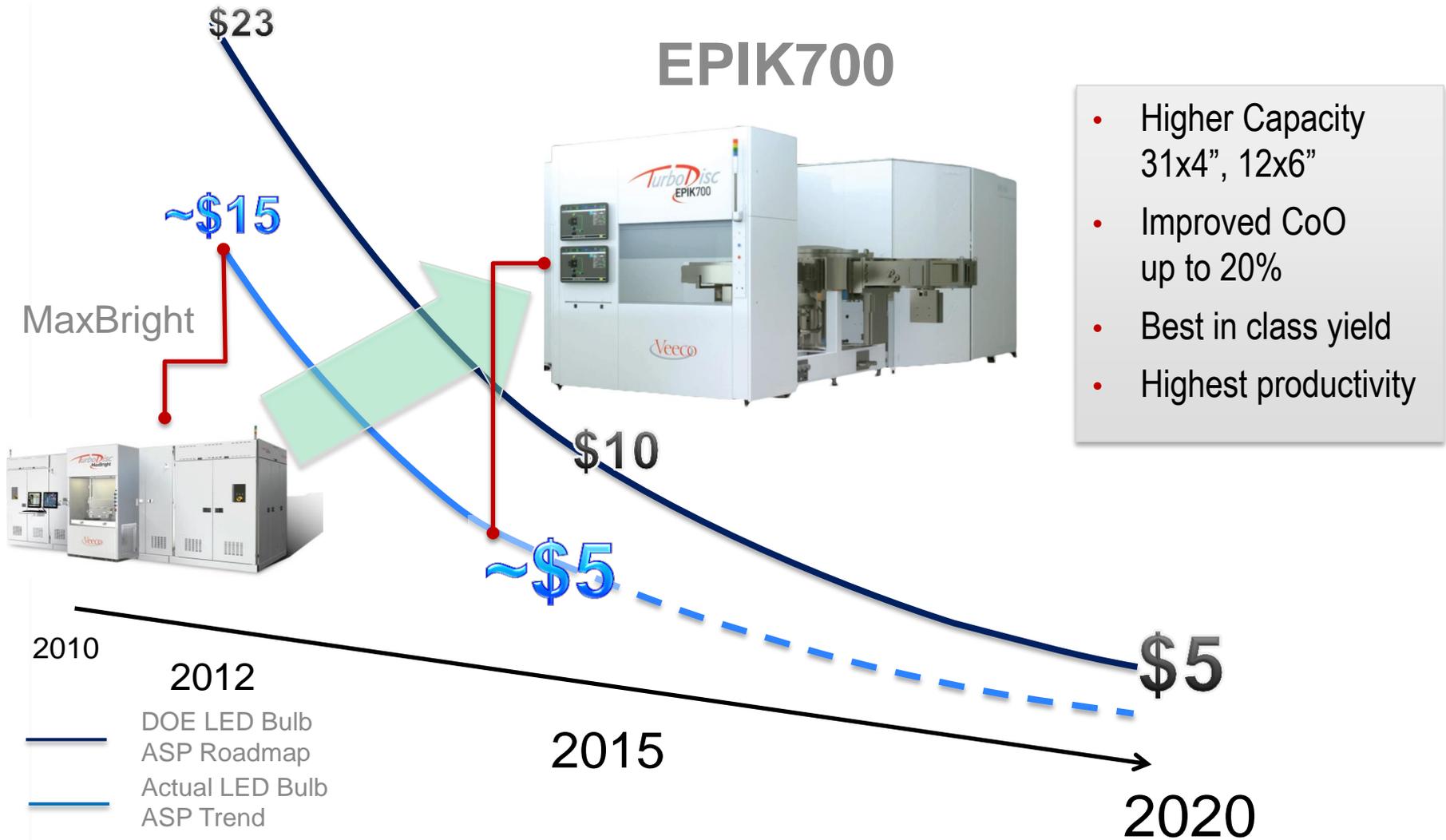
**EPIK700 Extends Veeco's Leadership**

- 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

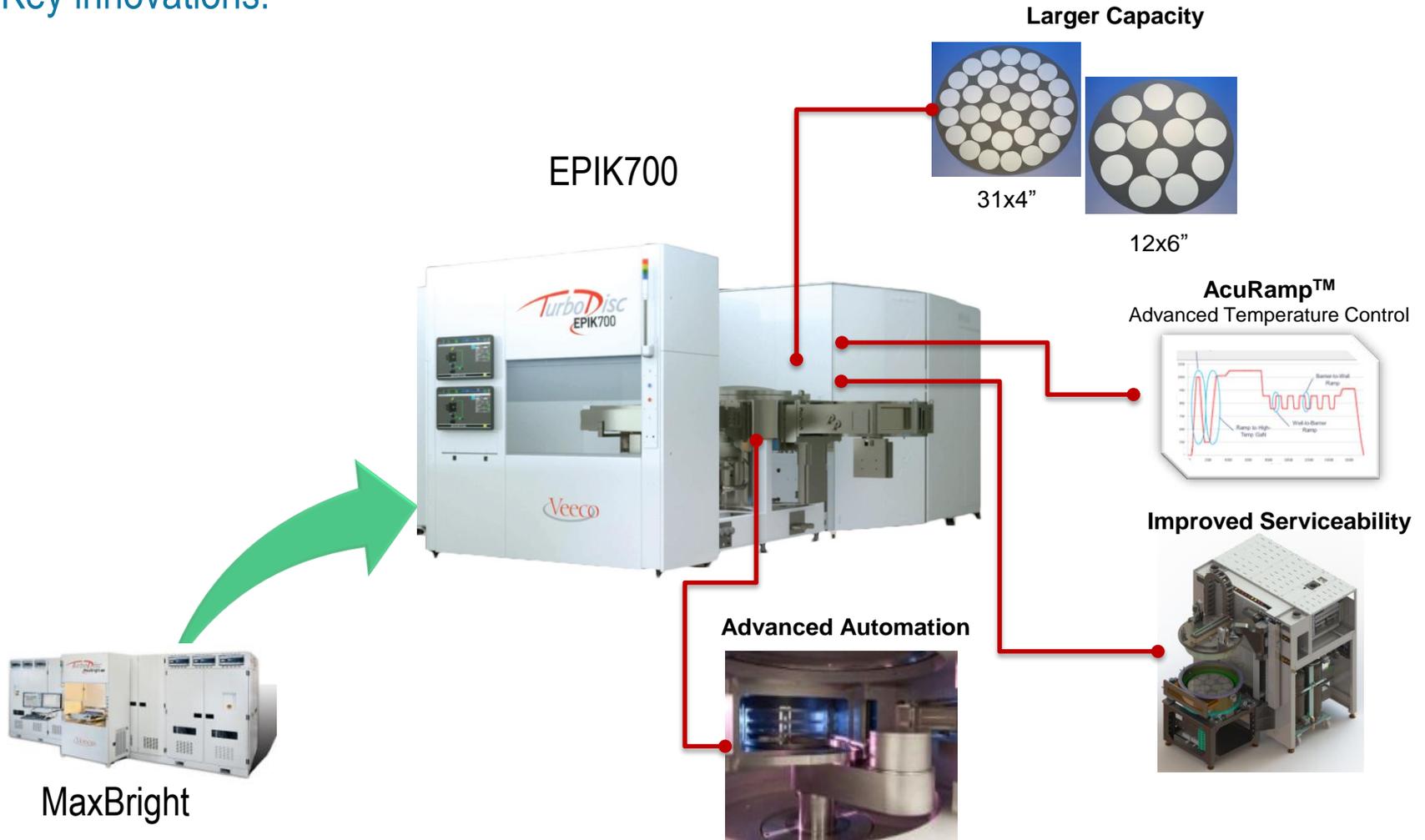
Most efficient capital investment for maximum profitability



**EPIK700 Significantly Lowers Customers' Costs Per Wafer**

# EPIK700 Maximizes Productivity

Key innovations:

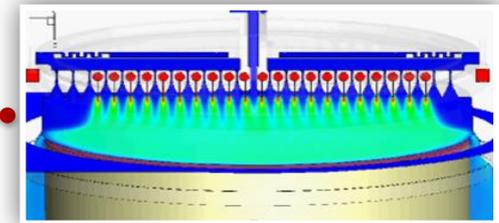


# Best-in-Class Uniformity with Key Innovations

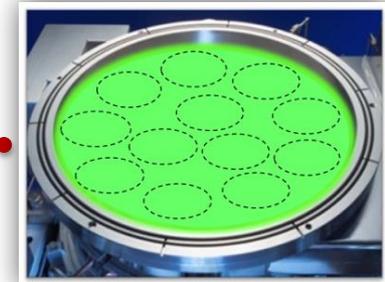
Key innovations:

EPIK700

**IsoFlange™ Technology**  
Improved flow uniformity



**TruHeat™ Technology**  
Improved temperature uniformity

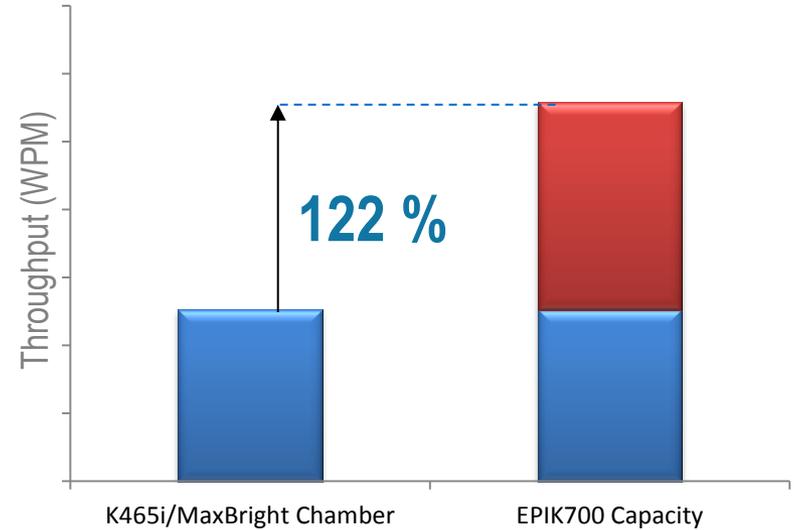
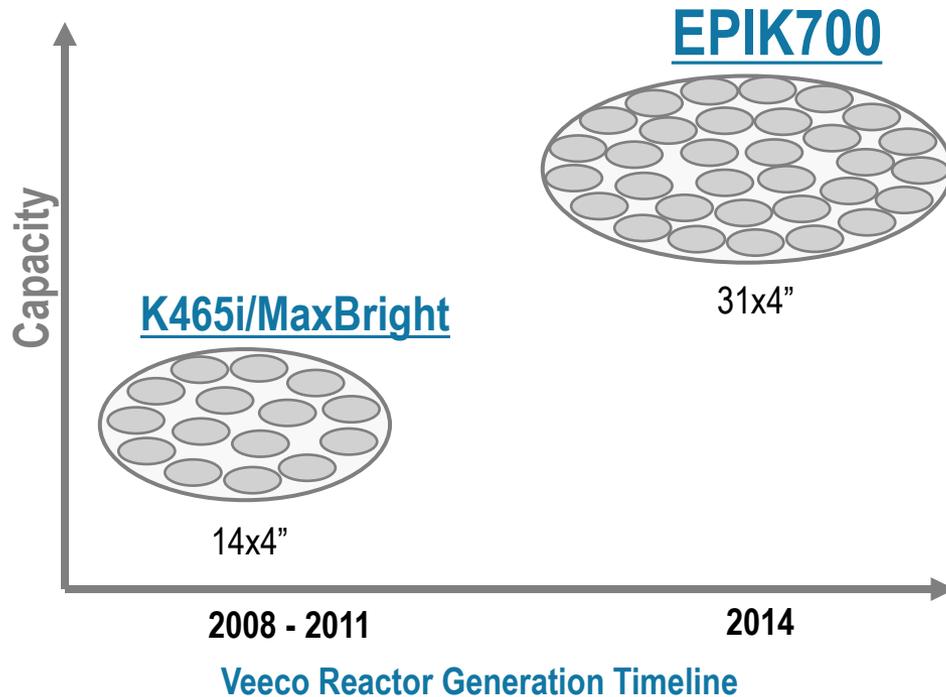


MaxBright



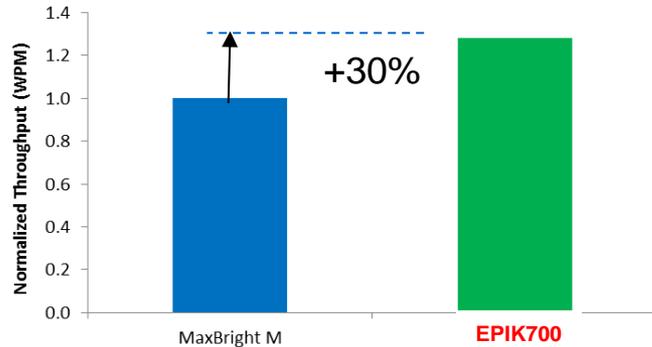
# Capacity Increase Improves Throughput

Wafer carrier capacity increase

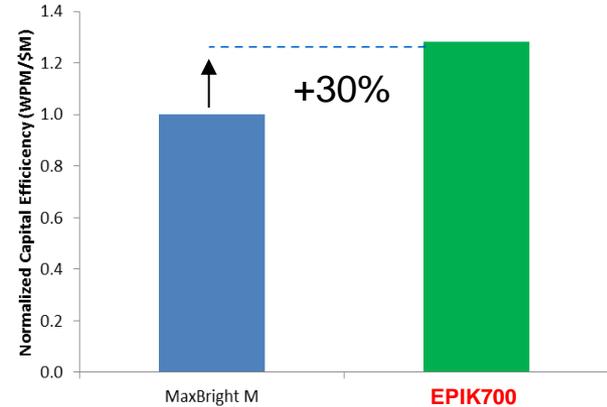


# EPIK700 Difference – Up to 20% CoO Advantage

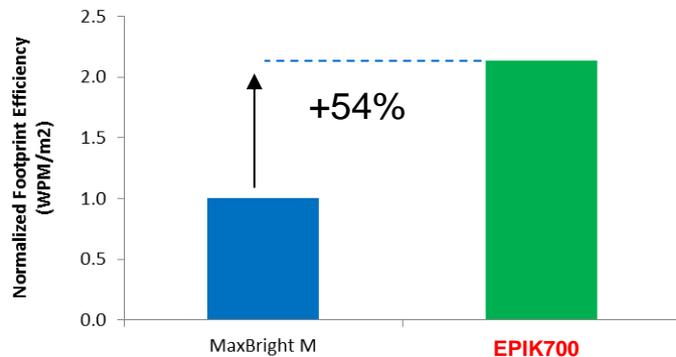
## Yielded throughput (K wafers/year)



## Capital efficiency (WPD/\$M)



## Footprint efficiency (WPD/m<sup>2</sup>)



## CoO per wafer (\$/wafer)

