

Preparing for the future, while optimizing the present

## OESA/HRI Automotive Tooling Barometer

September 2016

## OESA/HRI Automotive Tooling Barometer - August 2016

The OESA Automotive Tooling Barometer survey series was created by the OESA Tooling Council with the partnership of Harbour Results, Inc. to provide an indicator of the current state of the automotive tooling industry, and the perception of near-term prospects for the industry. The OESA Automotive Tooling Barometer captures the sentiment of the major companies in this market. Each survey in the series will have a different focus; the August theme is focused on sales and quoting data.

## OESA/HRI Automotive Tooling Barometer - August 2016

- Executive Overview
- Industry Recovering from Slow Start
- However, Prices are Falling on Some Classes of Tools
- Scaling Impacts Efficiency
- Diversity Helpful...to a Point
- Summary
- Appendix


## Executive Overview I

- 2016 saw a very slow start to the year with over \$2B in tooling capacity not leveraged during Q1. However, work 'on hold' has declined by 6 percentage points since January 2016
- Year over year, tooling sentiment has seen a drastic increase going from 56 points to 74 points. Shops over $\$ 40 \mathrm{M}$ appear the most optimistic about the next quarter. Also, both die and mold shops are feeling generally positive as well
- Annualized Q1 data points pointed to a decline in the overall tooling market, however, many industry forecasts expect Q3 and Q4 to be very busy times for the tooling industry. HRI also believes the volume currently being experienced will cancel out early year lags
- Since 2014, annual tooling volume is up but overall average price per tool is down
- Mold \& Die shops report an increase in tools shipped, averaging a 16\% overall increase from 2014
- Die shops experienced an 18\% decline in revenue per tool, while mold shops saw a $4 \%$ increase, since 2014
- According to automotive forecast data, 2017 \& 2018 automotive tooling will nearly double the new entry and redesign programs seen in 2015


## Executive Overview II

- Sales and quoting levels within the tooling industry varied greatly by revenue range, with larger shops demonstrating greater levels of efficiency. Shops over \$20M USD earned 22\% more revenue per salesperson and quoted $\mathbf{3 2 \%}$ more per estimator than shops under \$20M USD
- The average amount of sales tool shops have booked in advance means their time horizon is typically less than 6 months, with larger shops booking 19 percentage points more work than smaller shops
- As shops grow in size, estimating employees become more efficient. Shops in the $\$ 10-20 \mathrm{M}$ range see a $190 \%$ surge in quote dollars per estimator over $\$ 5-10 \mathrm{M}$ shops
- Tool shops smaller than $\$ 20 \mathrm{M}$ USD saw about $\$ 4 \mathrm{M}$ in revenue per salesperson, while shops larger than $\$ 20 \mathrm{M}$ saw an average over $\$ 12 \mathrm{M}$ per salesperson
- Shops surveyed represent over \$1B in tooling revenue split across 9 industries; automotive accounting for $82 \%$ of total revenue
- On average, shops that support the automotive industry grew $4 x$ faster than those who are nonautomotive
- Shops who support 4 or more industries grow on average twice as fast as shops who are less diverse


## Respondent Demographics

Total North American Respondents: 65
REVENUE RANGE

SHOP TYPE


■ DieMold


- Question: Please identify your Revenue for 2015
- Question: Please identify your company's geographic location


## OESA/HRI Automotive Tooling Barometer - August 2016

- Executive Overview
- Industry Recovering from Slow Start
- However, Prices are Falling on Some Classes of Tools
- Scaling Impacts Efficiency
- Diversity Helpful...to a Point
- Summary
- Appendix


## A Decline in Tooling Utilization Stabilizes in Spring 2016



## Overall Work ‘On Hold’ Decreases 6 Percentage Points Since January

Percentage of Shops with More than $10 \%$ 'On Hold’ Decreases by 9 Percentage Points
Percent of Jobs on Hold


Harbour Results estimates the industry 'on hold' impact in Q2-Q3 to be around \$1.6B, a decrease from over \$2B in January

## Overall Sentiment Increases to 74, Up 8 Points Since January

Year Over Year, Sentiment has Increased from 56, a 32\% Change


## Overall Quote Volume for Surveyed Shops is Expected to Eclipse \$9B

 Die Shops are Forecasted to Increase Quote Activity 29\% Since 2014Overall Quoting Dollars


Mold \& Die Quoting Trends


## 2016 Projected to be Flat Overall, Compared to 2015

First Two Quarters of 2016 were Slow, However, Total Revenue is Predicted to be Flat
Survey Respondent Revenue


Harbour Results predicts second half of 2016 will position annual tooling revenue in line with 2015

Tooling Industry Revenue based on 61 Shops that provided revenue data

## OESA/HRI Automotive Tooling Barometer - August 2016

- Executive Overview
- Industry Recovering from Slow Start
- However, Prices are Falling on Some Classes of Tools
- Scaling Impacts Efficiency
- Diversity Helpful...to a Point
- Summary
- Appendix


## Die Shops Report a 22\% Increase in Tools Shipped Since 2014 While Mold Shops Experience a Smaller Increase of 11\%



## Since 2014, Revenue Per Tool has Steadily Declined by 18\% YOY for Die Shops

 Mold Shops, on the Other Hand, Displayed a 4\% YOY Increase in Revenue Per ToolAverage Revenue Per Tool

|  | \$300 |
| :---: | :---: |
| 은 | - |
| ¢ | へ \$200 |
| $\stackrel{1}{\sim}$ | 「 \$150 |
| 8 | \$100 |
| \% | \$50 |
| 8 |  |

North American Rev Per Tool


Strength of the US Dollar could be the reason we see mixed results in revenue per tool

Large and Small Tool Shops Should See an Increase in 2016 Tools Shipped Shops Above \$20M are Experiencing a 5\% Increase in Revenue Per Tool Since 2014


## OESA/HRI Automotive Tooling Barometer - August 2016

- Executive Overview
- Industry Recovering from Slow Start
- However, Prices are Falling on Some Classes of Tools
- Scaling Impacts Efficiency
- Diversity Helpful...to a Point
- Summary
- Appendix


## Large Shops, on Average, Have 19 Percentage Points More Work Booked As of Q2, Shops Over \$20M Had Already Booked 75\% of Their 2015 Revenue

Booked Work as of Q2 2016


## Shops Over \$40M Increase Revenue Per Customer by 56\%

Larger Shops are Benefiting from Fewer Customers


Shops over \$40M have a significant advantage of having fewer customers and obtaining 56\% more revenue per customer than smaller shops

## As Shops Become Larger, the Average Revenue per Salesperson Increases Using the Model Below, Shops can Benchmark Themselves to the Population

Revenue Per Salesperson Equation


For example: Using the formula to the left, a \$70M company should have a Revenue Per Salesperson of nearly \$15M

## As Shops Grow in Revenue, Estimating Employees Become More Efficient $\mathbf{\$ 1 0 - 2 0 M}$ Shops See a 190\% Surge in Quote Dollars Per Estimator from $\mathbf{\$ 5 - 1 0 M}$ Shops

Quoting Efficiency


## OESA/HRI Automotive Tooling Barometer - August 2016

- Executive Overview
- Industry Recovering from Slow Start
- However, Prices are Falling on Some Classes of Tools
- Scaling Impacts Efficiency
- Diversity Helpful...to a Point
- Summary
- Appendix


## Tool Shops Support Numerous Industries, with Automotive Leading

 Over \$1B in Tooling Revenue Split Across 9 Industries; Automotive Accounting for 82\%Industry Revenue Breakdown


## Growth Rate Plateaus for Shops That Serve Over 4 Industries

Shops with 5+ Industries Plateau in Growth Rate and Spike in Average Customers
Total Customers and Growth Rate by Industry


Avg Customers —Avg Growth Rates

## OESA/HRI Automotive Tooling Barometer - August 2016

- Executive Overview
- Industry Recovering from Slow Start
- However, Prices are Falling on Some Classes of Tools
- Scaling Impacts Efficiency
- Diversity Helpful...to a Point
- Summary
- Appendix


## Key Takeaways

- An incredibly sluggish start to the year put a majority of tool shops into very tough situations. However, work 'on hold' shrunk by $8 \%$ since January 2016 and a significant number of tooling programs launched late in Q2 and throughout Q3
- The tooling industry has witnessed increased tooling volume over the last couple years, however, this does not evenly correlate with revenue per tool. The number of tooling packages released and tools per package has steadily increased along with pressure to cut costs
- Sales and quoting levels within the tooling industry varied greatly by revenue range, with large shops showing greater levels of efficiency. Shops over \$20M USD earned 22\% more revenue per salesperson and quoted $32 \%$ more per estimator
- Automotive tooling revenue accounted for $82 \%$ of all data collected. Shops in the Automotive sector experienced higher growth rates than their peers, however, the majority of shops are diversifying into other industries to find new growth avenues


## HARBOUR||O" Partners

Executive Level

Pro Level

## PolyOne.

## Thank You For Your Participation

## For questions and comments, contact:

Laurie A. Harbour
President and CEO
Harbour Results, Inc.
248-875-7833
Iharbour@harbourresults.com

Kathy Reiss
Director, Research and Industry Analysis
OESA
248.952.6401 ext 247
kreiss@oesa.org

Robert Kimmel
Senior Manager
Harbour Results, Inc.
617-512-6725
rkimmel@harbourresults.com

James Murphy
Associate Consultant
Harbour Results, Inc.
248-552-8400
jmurphy@harbourresults.com

Antitrust Statement: Respondents/participants should not contact competitors to discuss responses, or to discuss the issues dealt with in the survey. It is an absolute imperative to consult legal counsel about any contacts with competitors. All pricing and other terms of sale decisions and negotiating strategies should be handled on an individual company basis.

