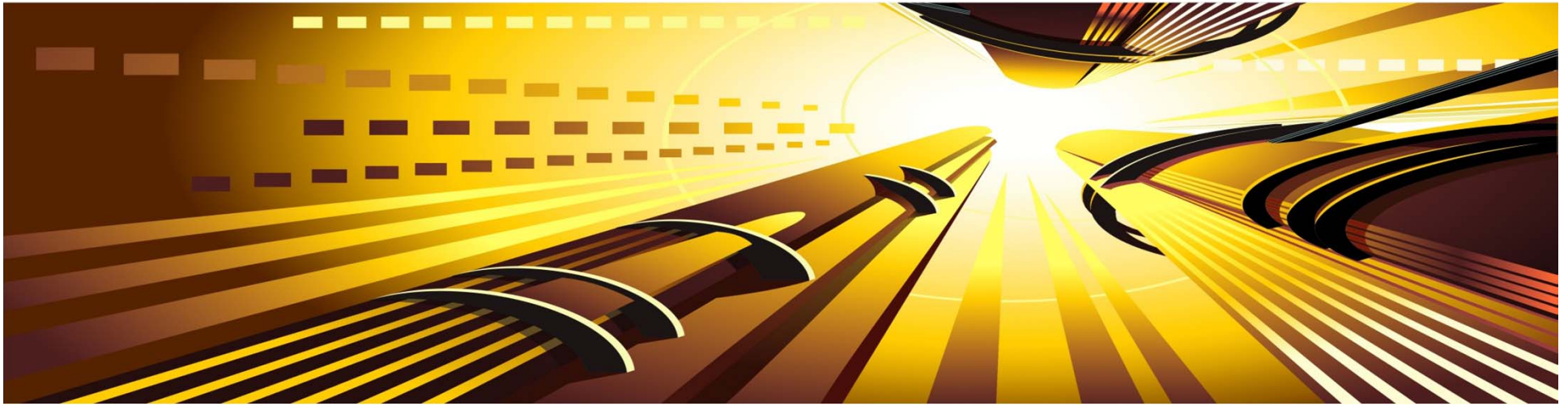


***Canadian Plastics***  
**2010 INJECTION MOLDING**  
**SURVEY RESULTS**

\*survey results based on 34 responses



## ***Survey Methodology***

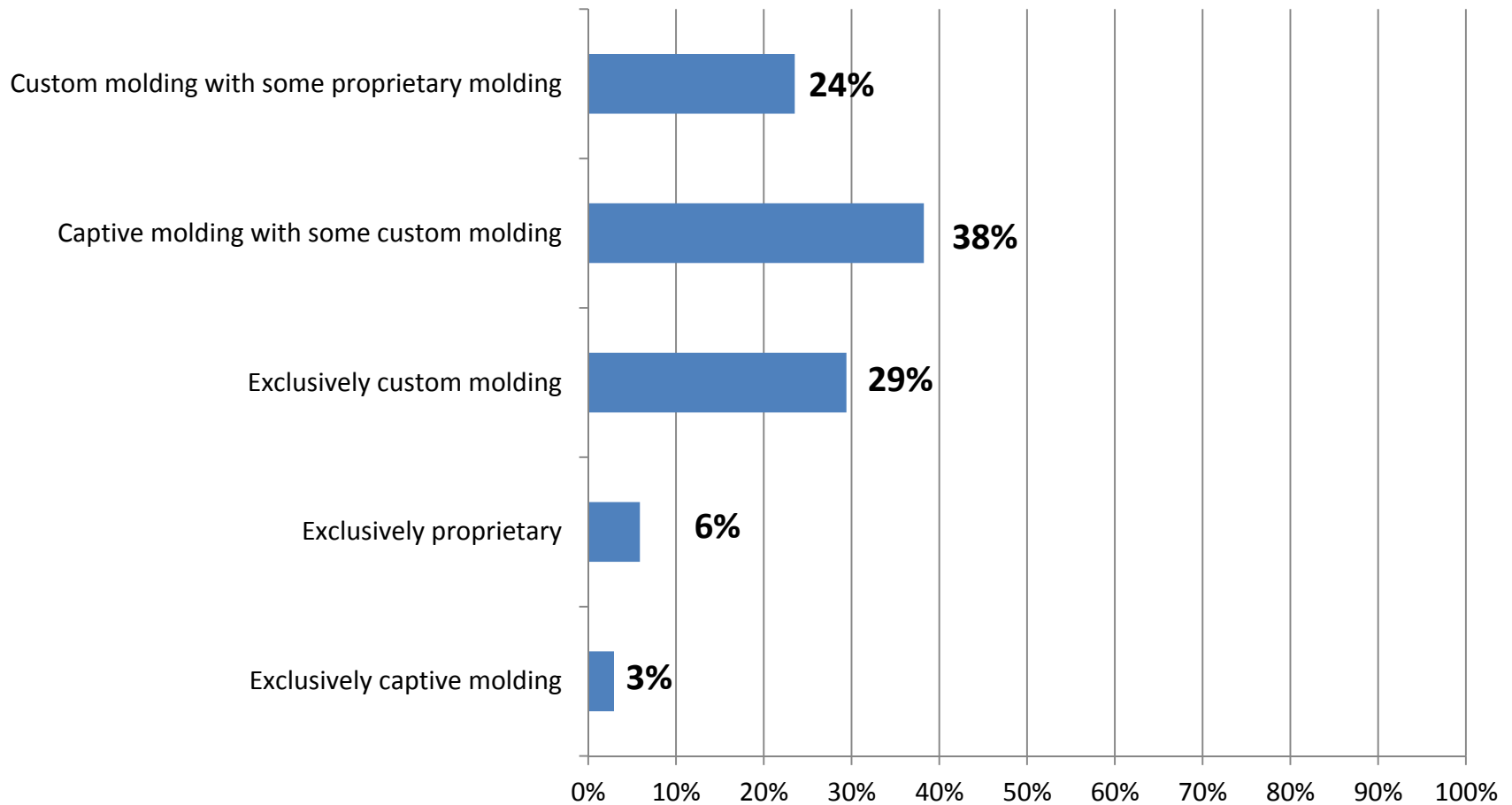
The Injection Molding Benchmark Survey was sent in late January/early February 2011 to 582 people at injection molding shops on the circulation list of Canadian Plastics magazine, with one survey going to one respondent per facility. It was emailed up to three times if we had the recipient's email address; if not, the survey was sent by mail. We received 34 completed surveys, for a response rate of 5.8%

To encourage response, we offered to put respondents' names in a draw for a \$200 cash prize.

Because not everyone answered each question, the percentage values in the charts and tables might be given as a percentage of the respondents to that questions, with the number of respondents given in parenthesis, for example [n = 27].

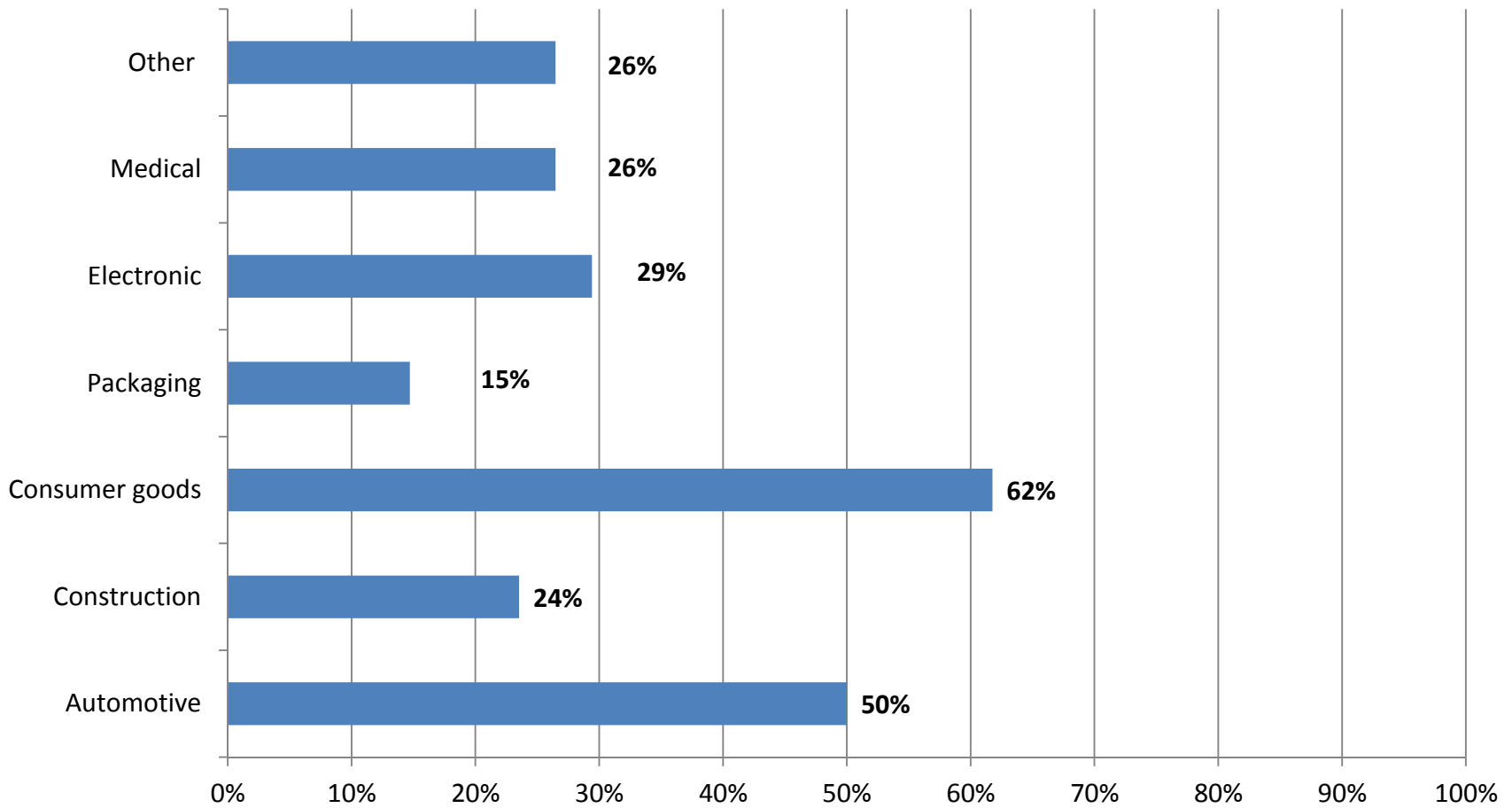


## 1. Which best describes the molding operations at your plant?



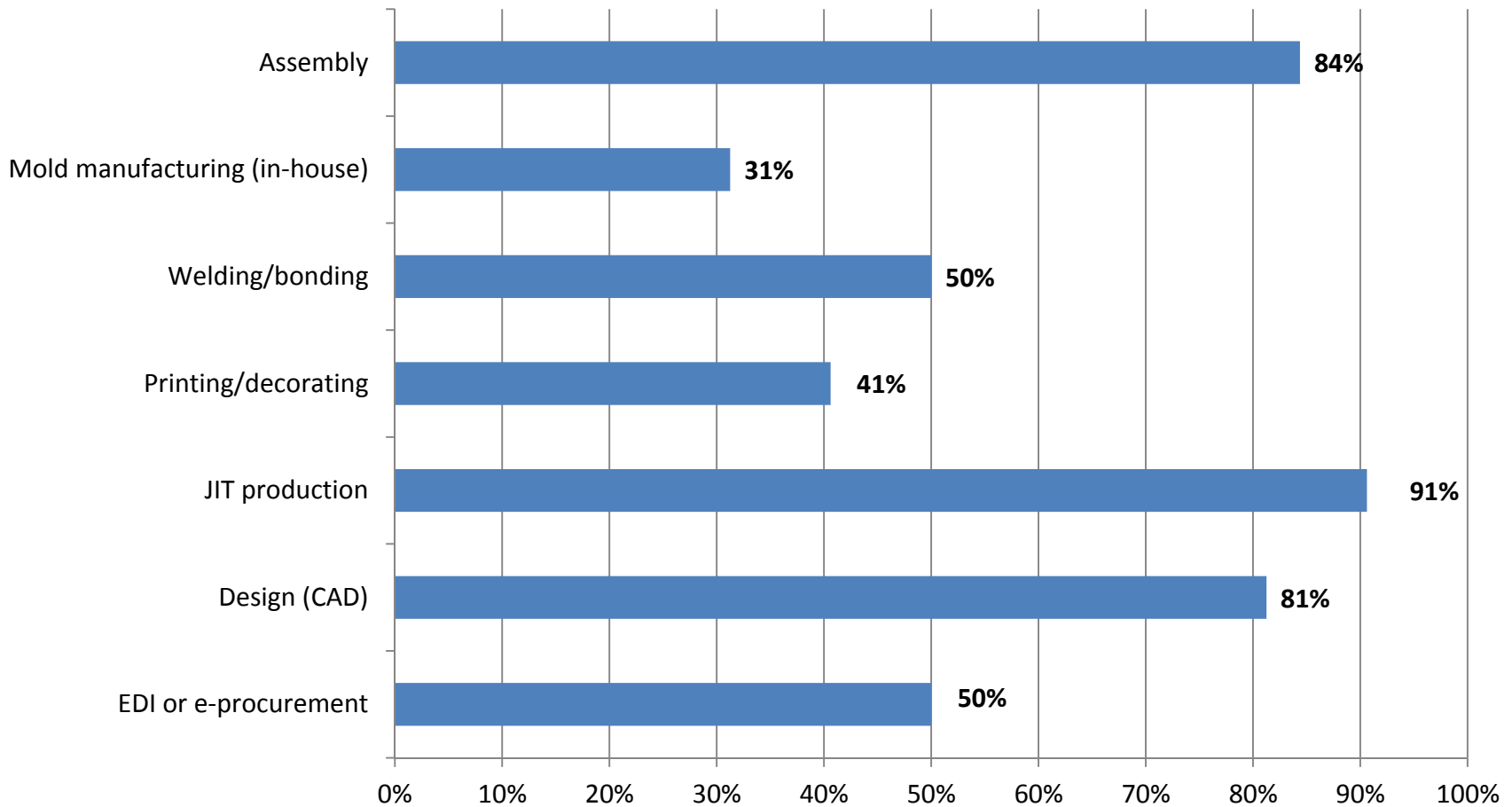


## 2. What markets do you serve? (Check all that apply)



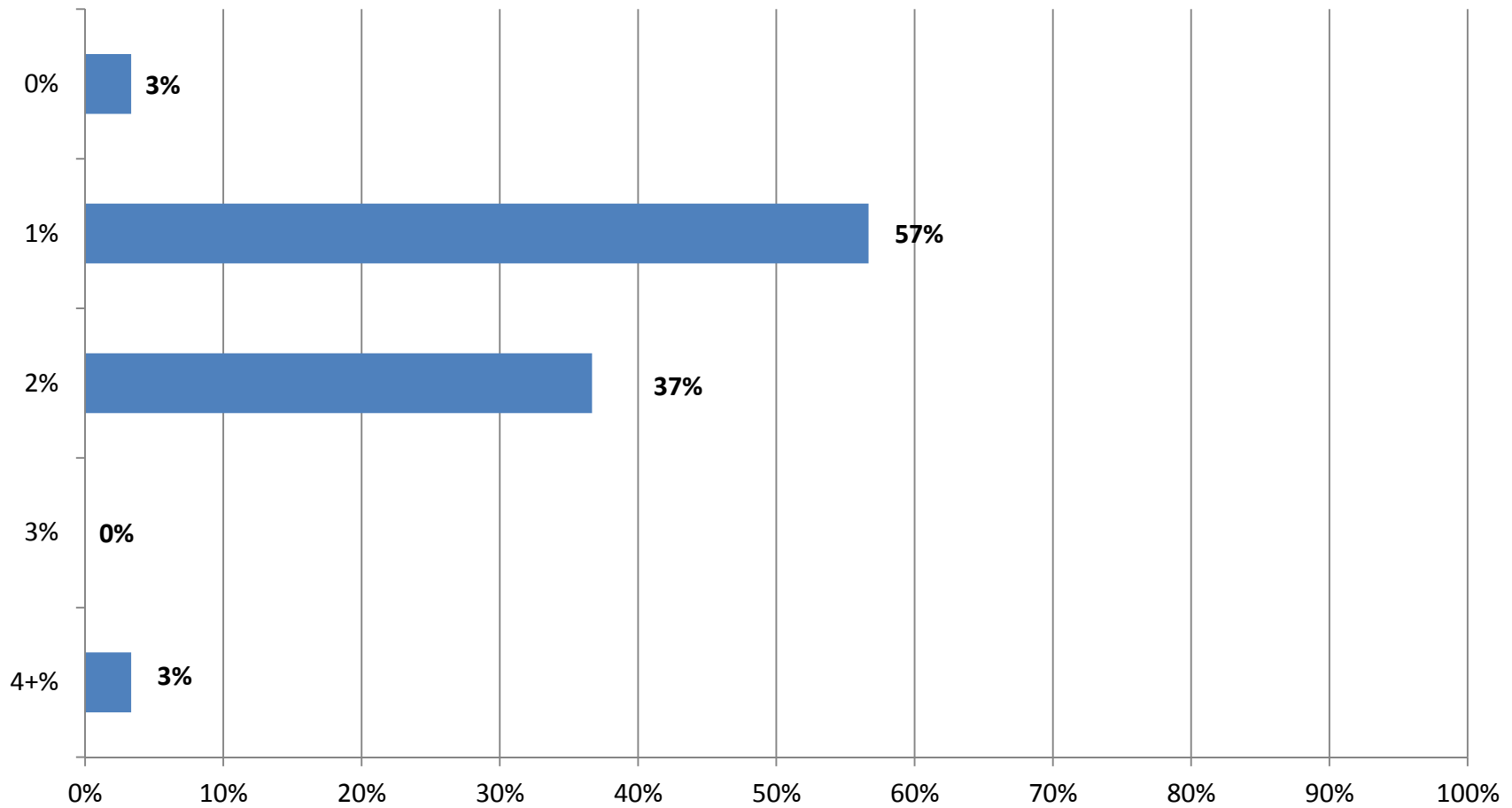


### 3. Which of the following service capabilities does your plant provide its customers? (Check all that apply)



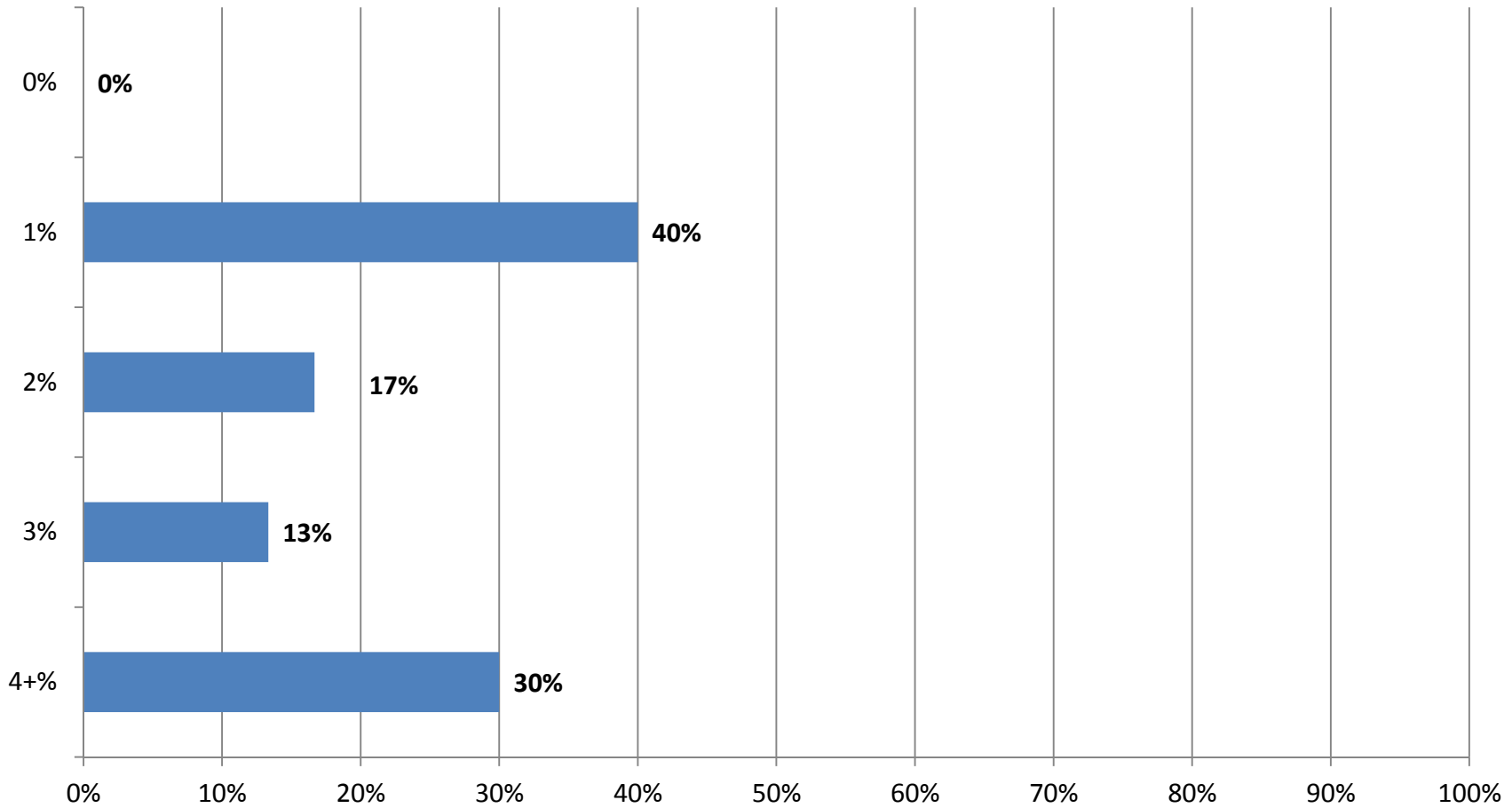


#### 4. What percentage of your plant's 2010 budgeted expenses was allocated to employee training?



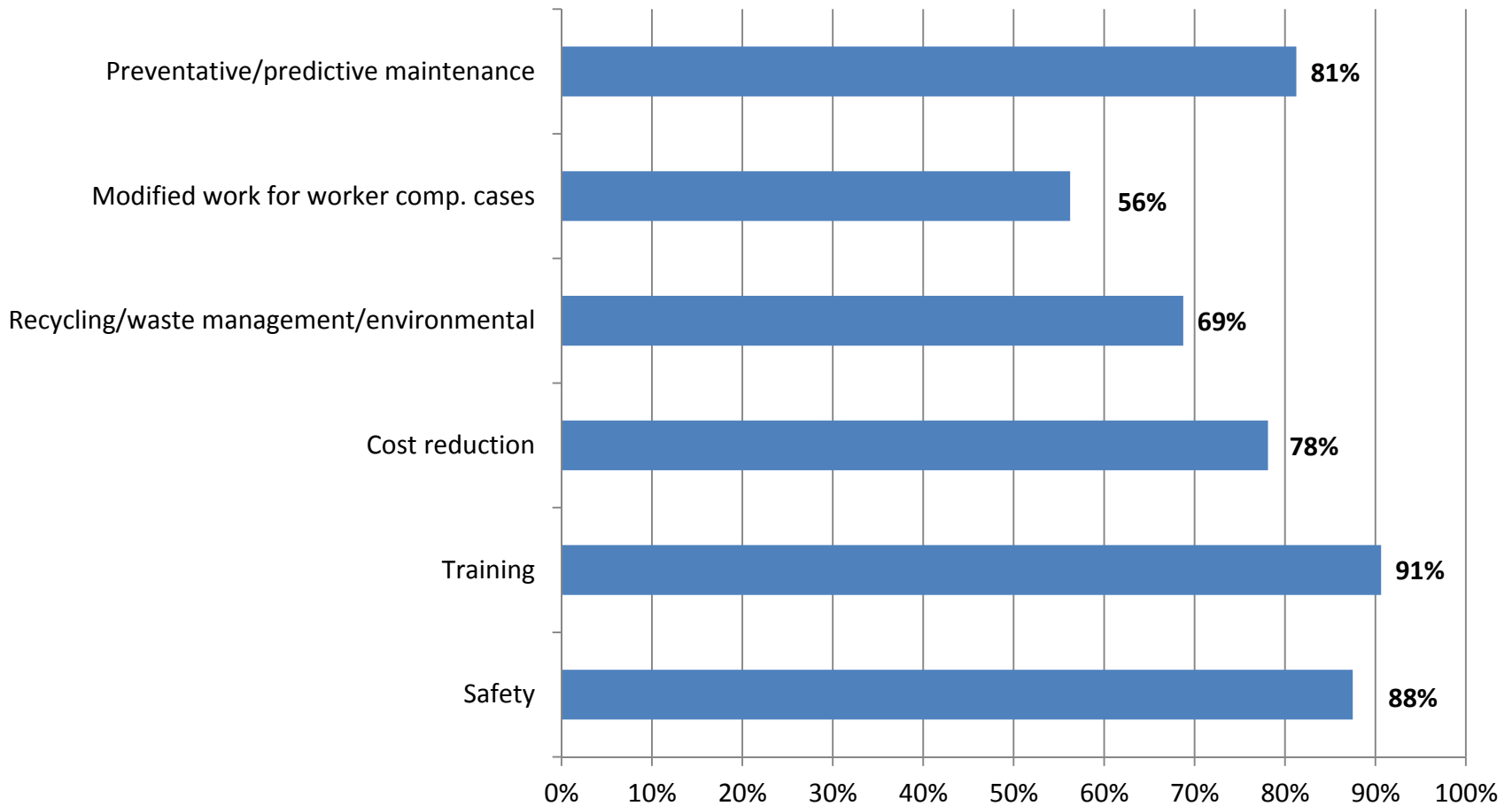


5. What percentage of your plant's 2010 budgeted expenses went to product research and development, either on-site or off?



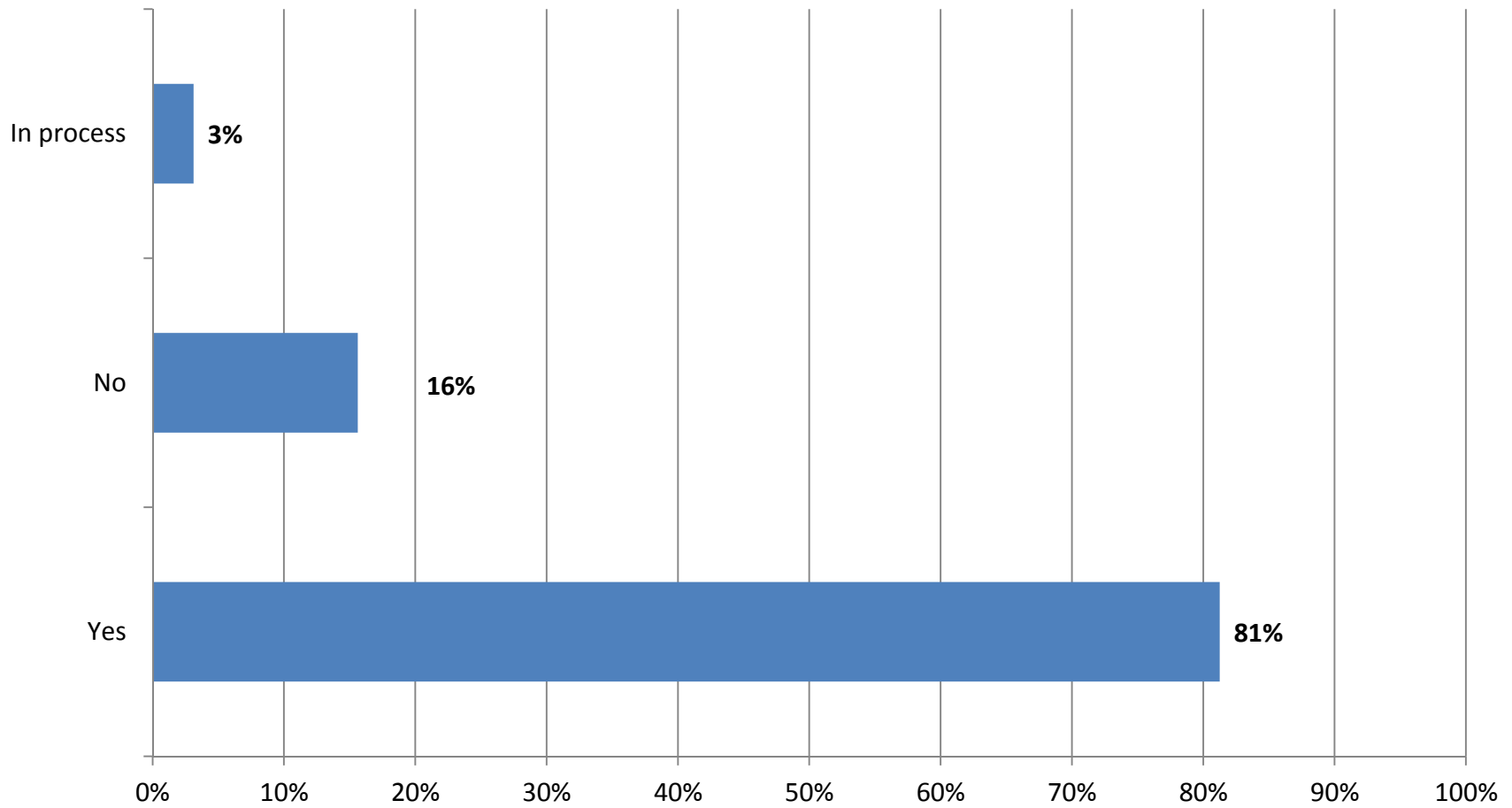


6. In which of the following areas do you have formally implemented policies and programs? (Check all that apply)



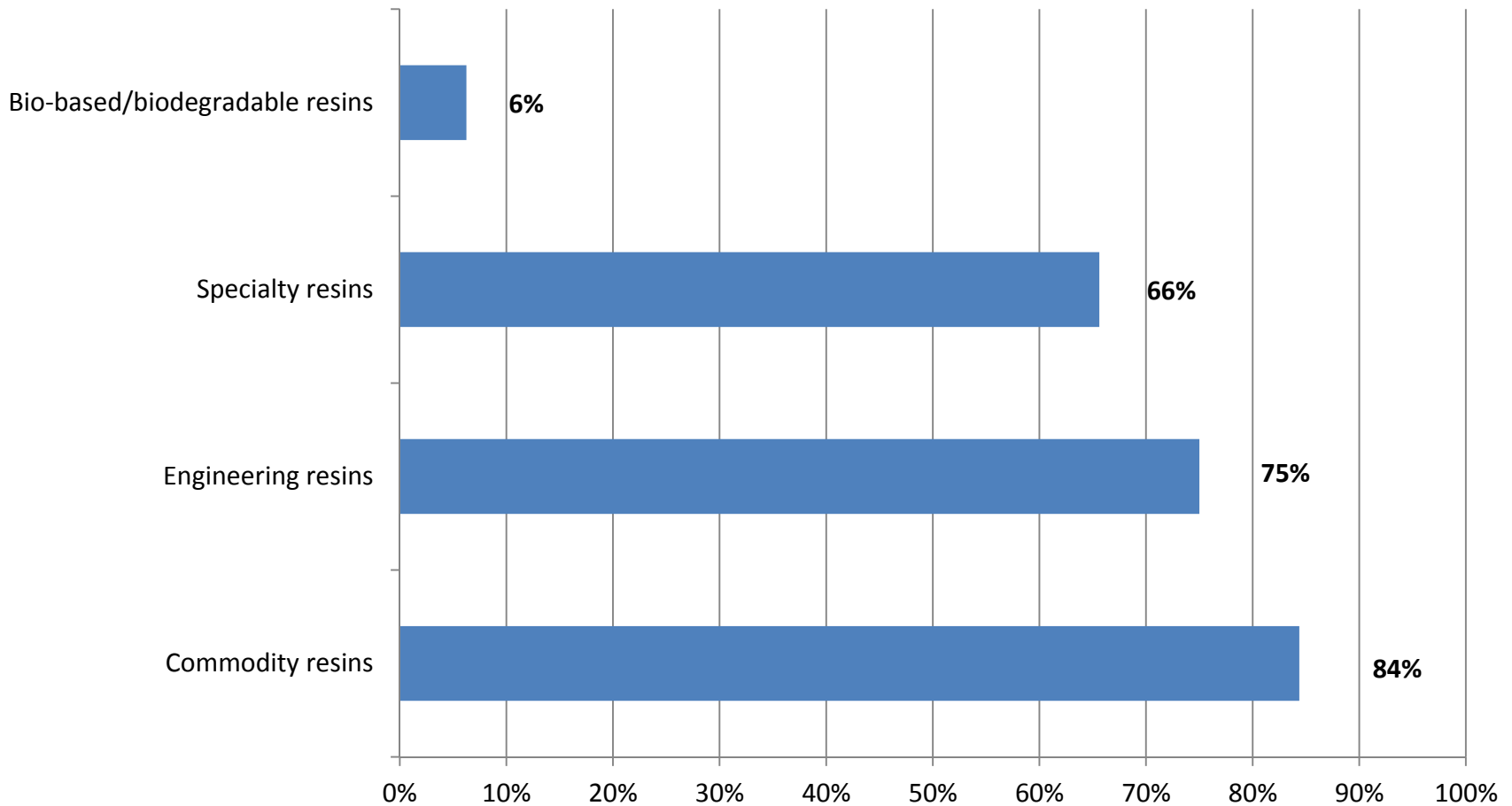


## 7. Is your plant certified to an ISO or QS9000 standard?



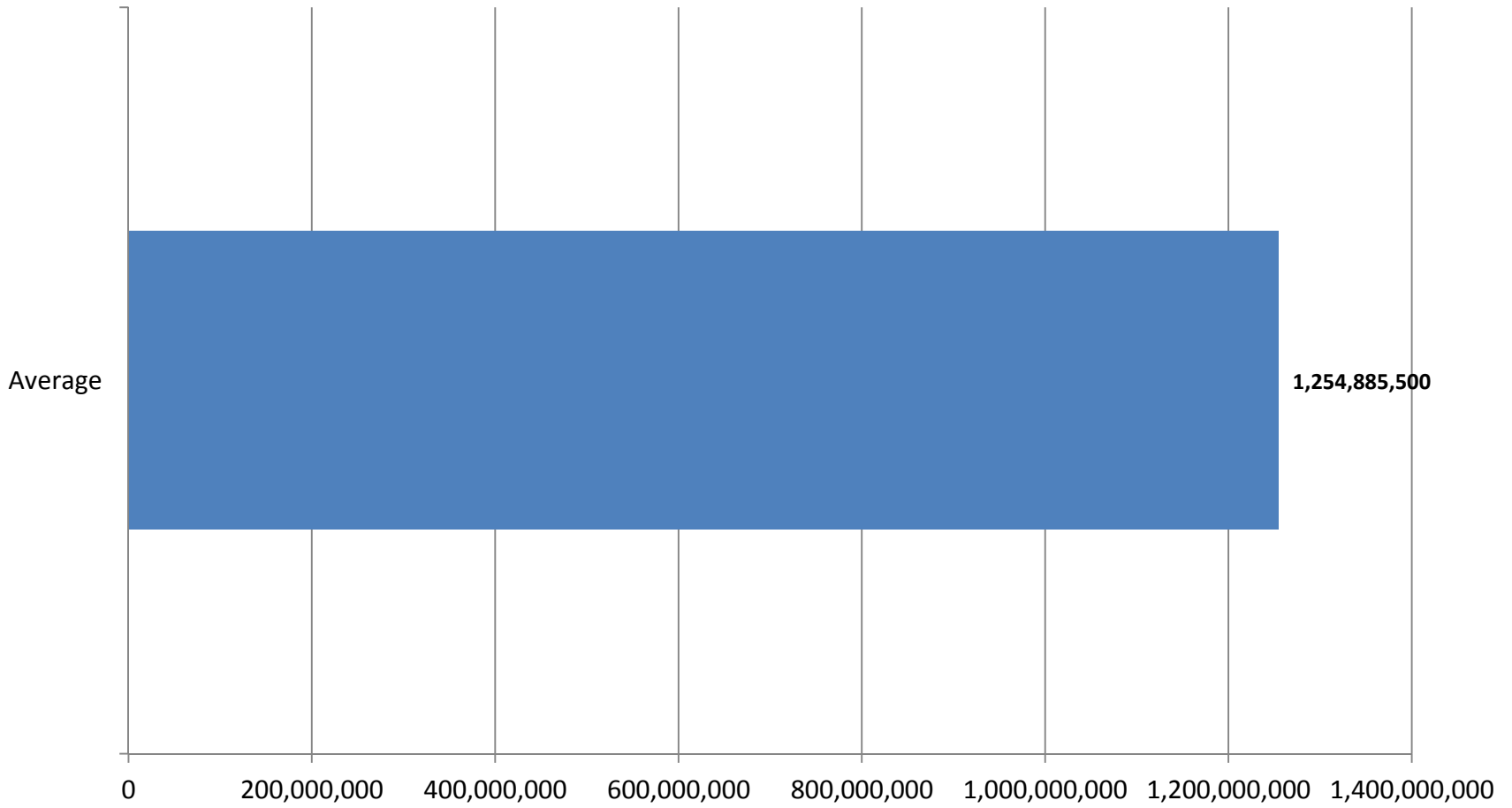


## 8. What kinds of polymers does your facility currently process? (Check all that apply)



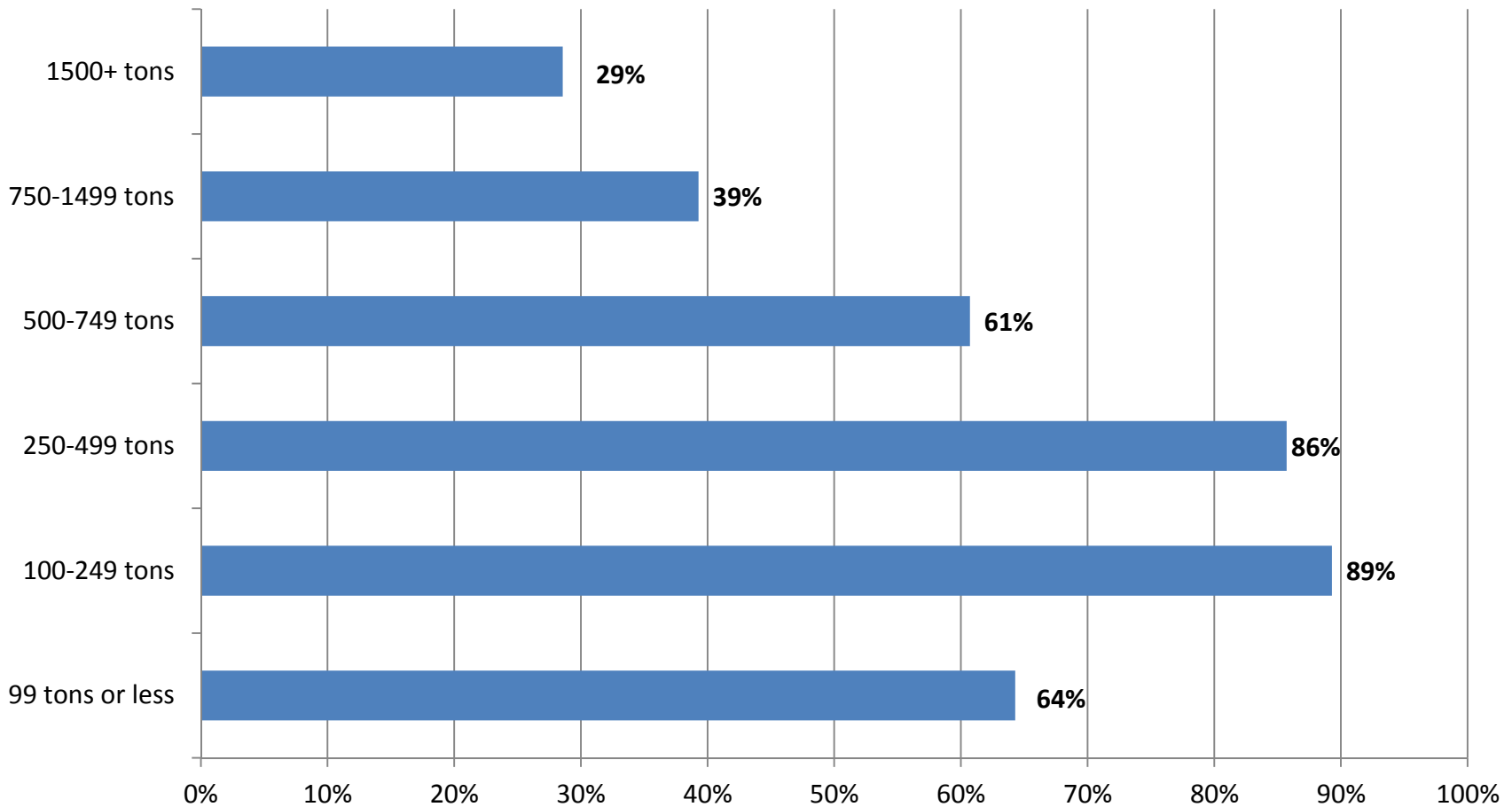


9. What do you estimate will be the total amount of resin consumed at your plant in 2011 in lbs?



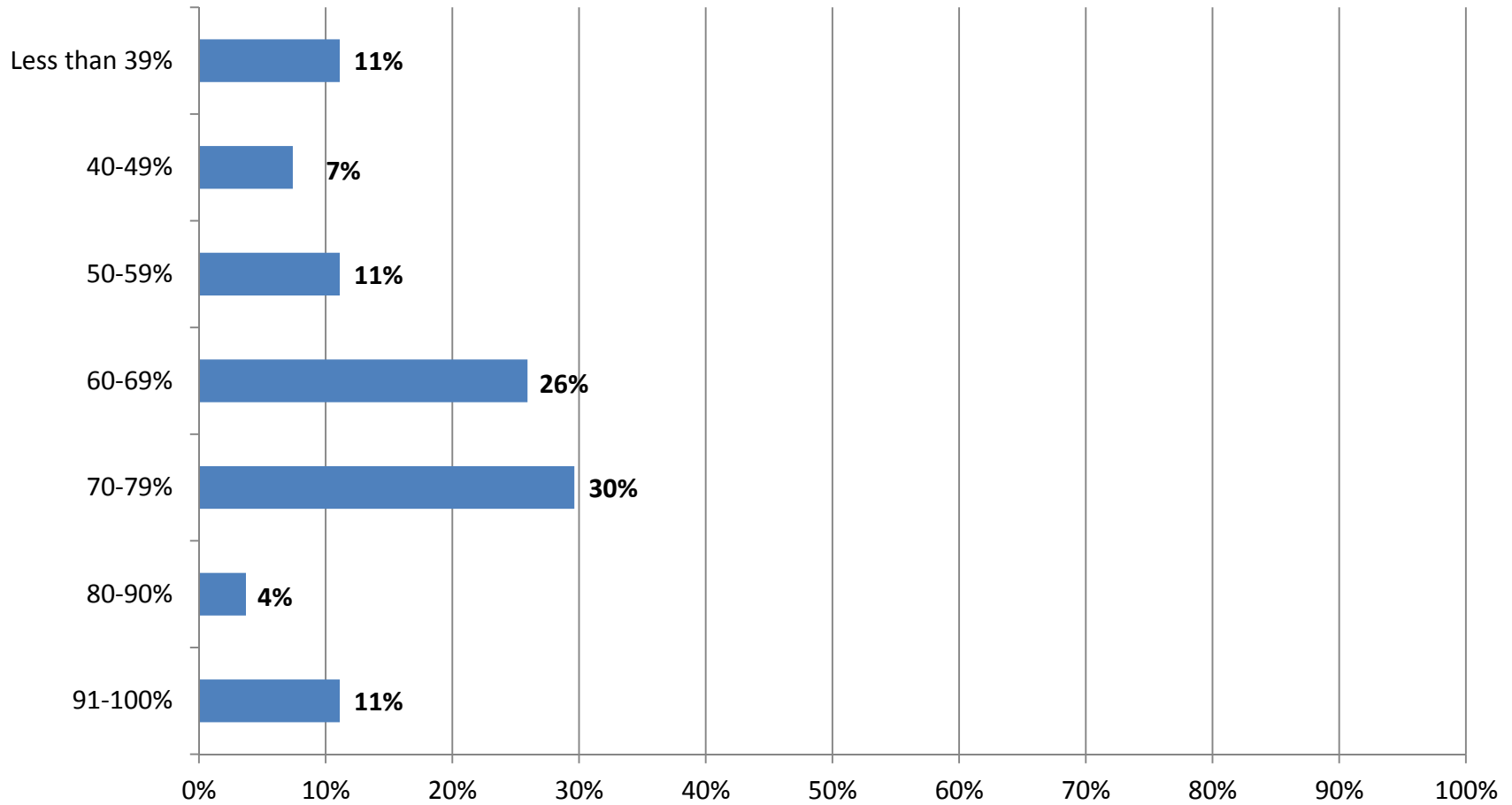


10. What percentage of the injection molding machines at your plant fall into the following tonnage ranges?



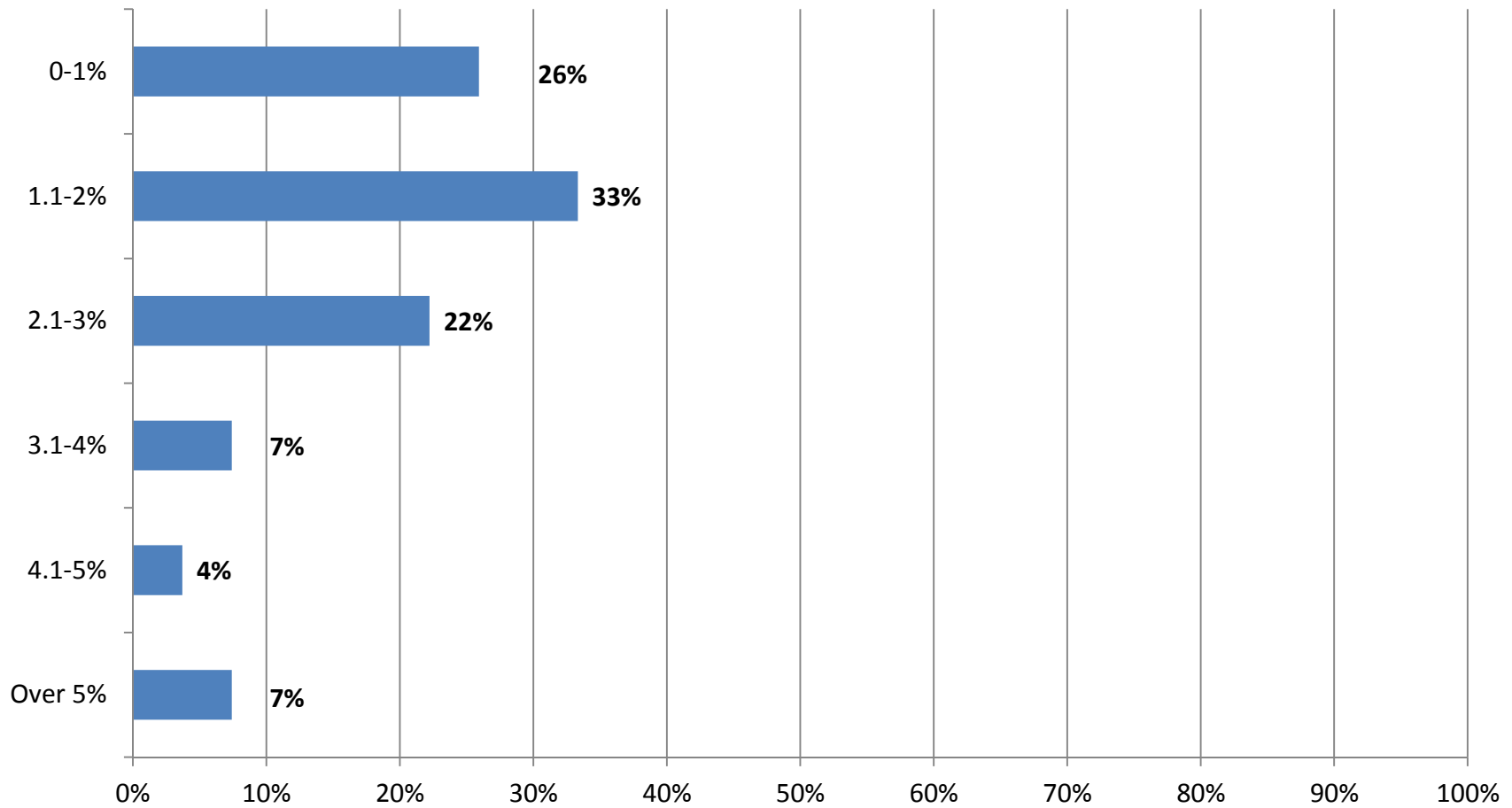


## 11. What was your average machine utilization rate for the past year?



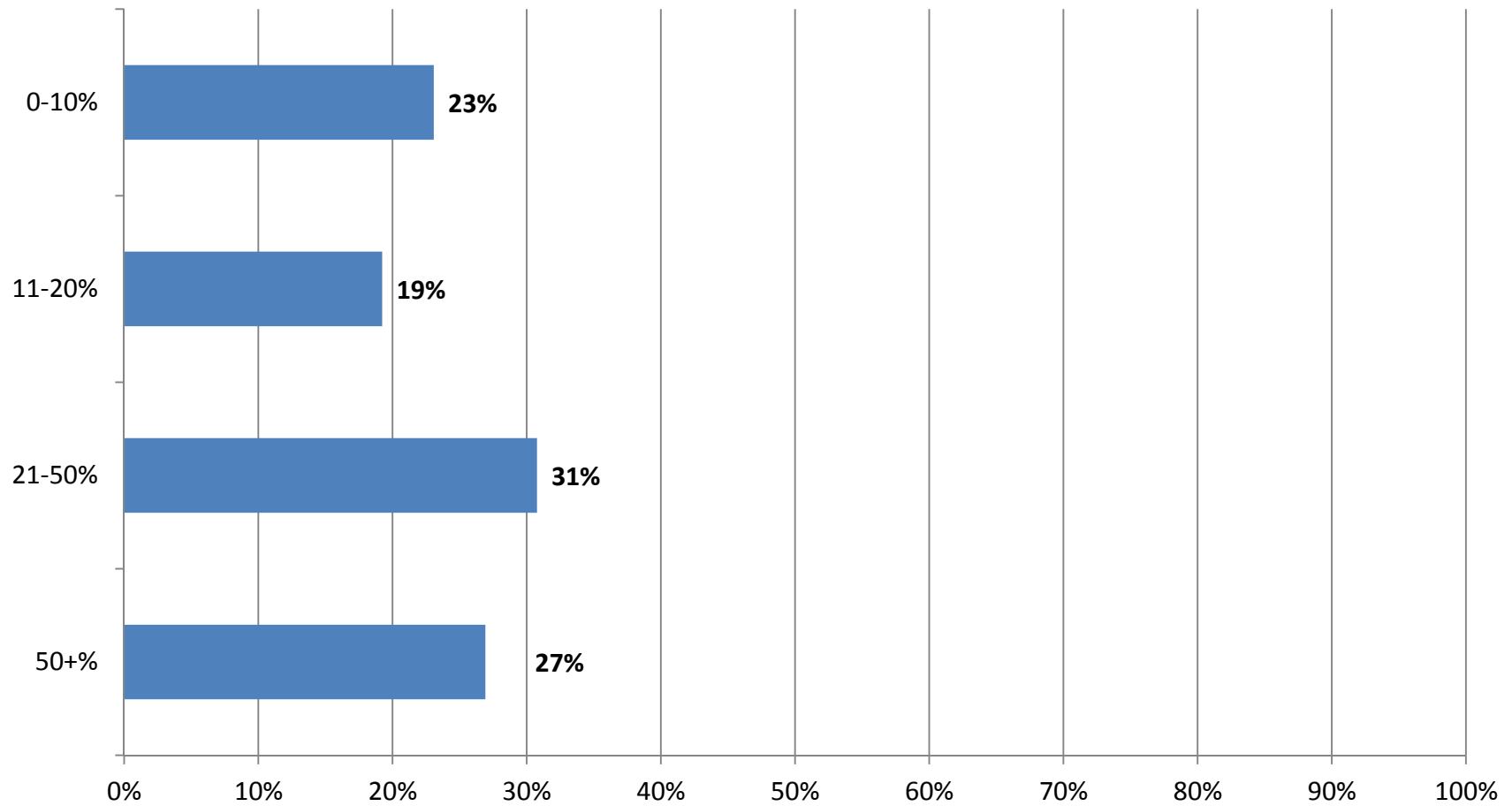


## 12. What was your plant's average part reject rate for the past year?



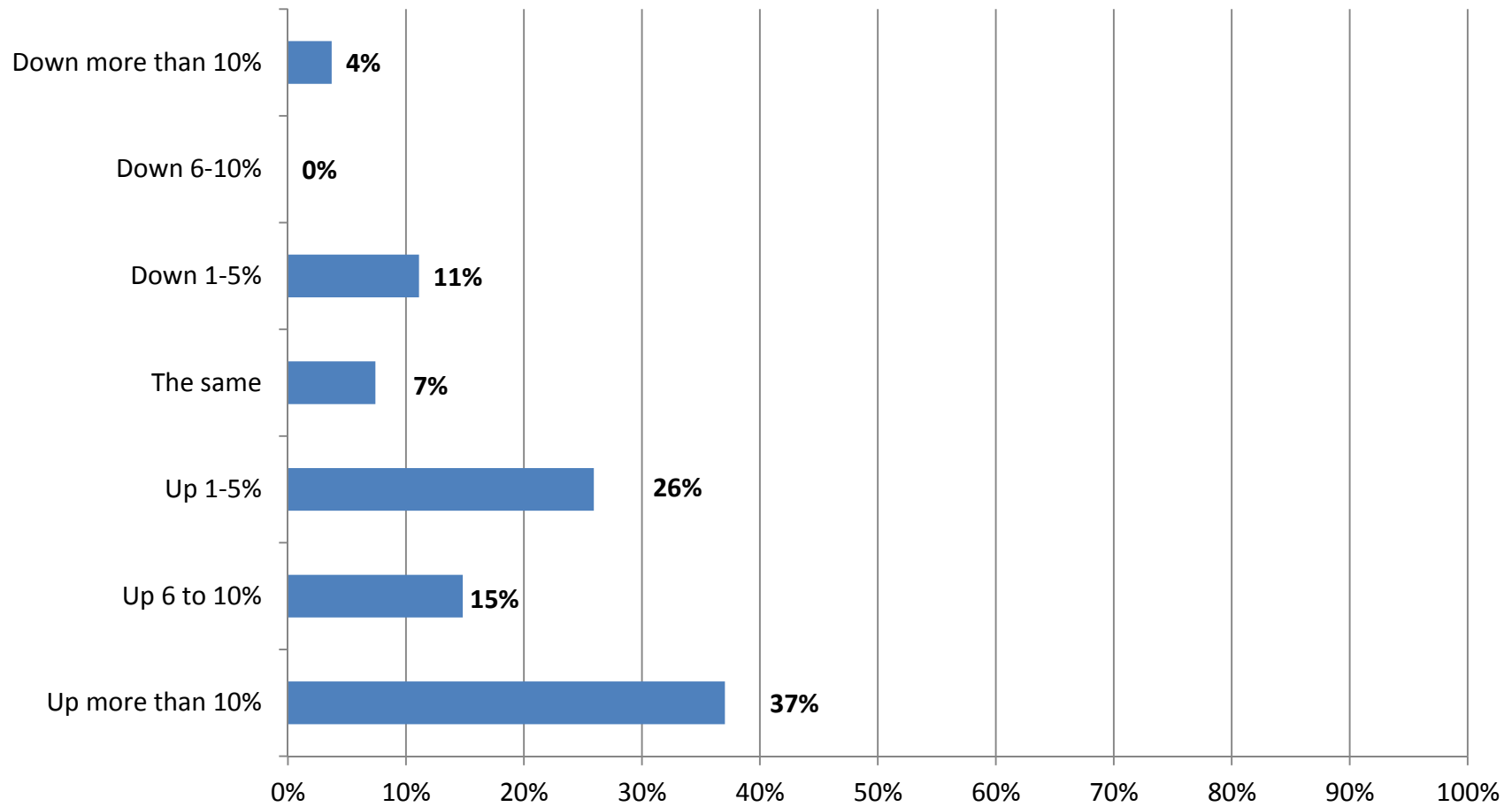


### 13. Of the projects you quote on, what percentage turn into business?



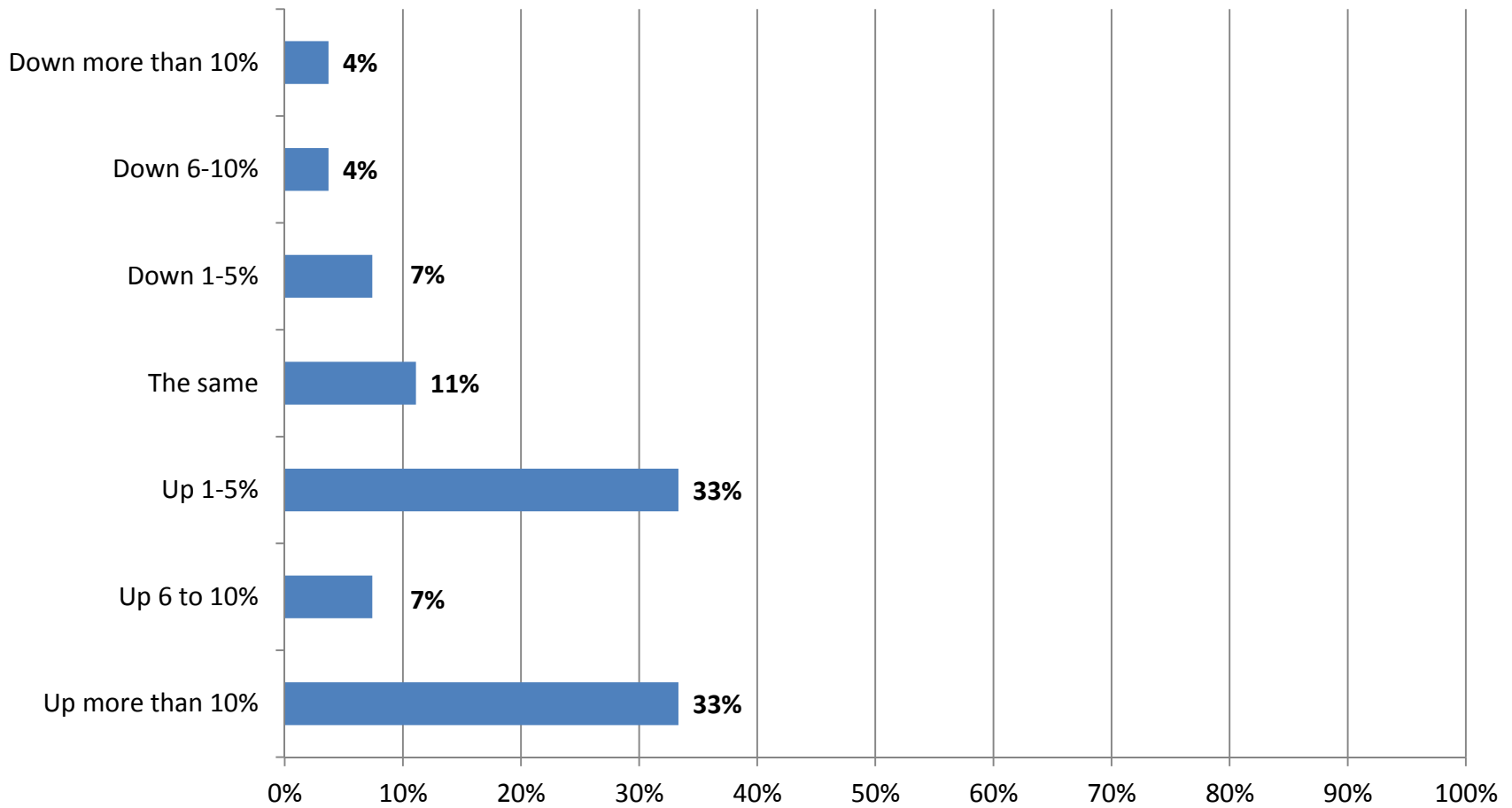


## 14. Compared to 2009, how was your business volume in 2010?



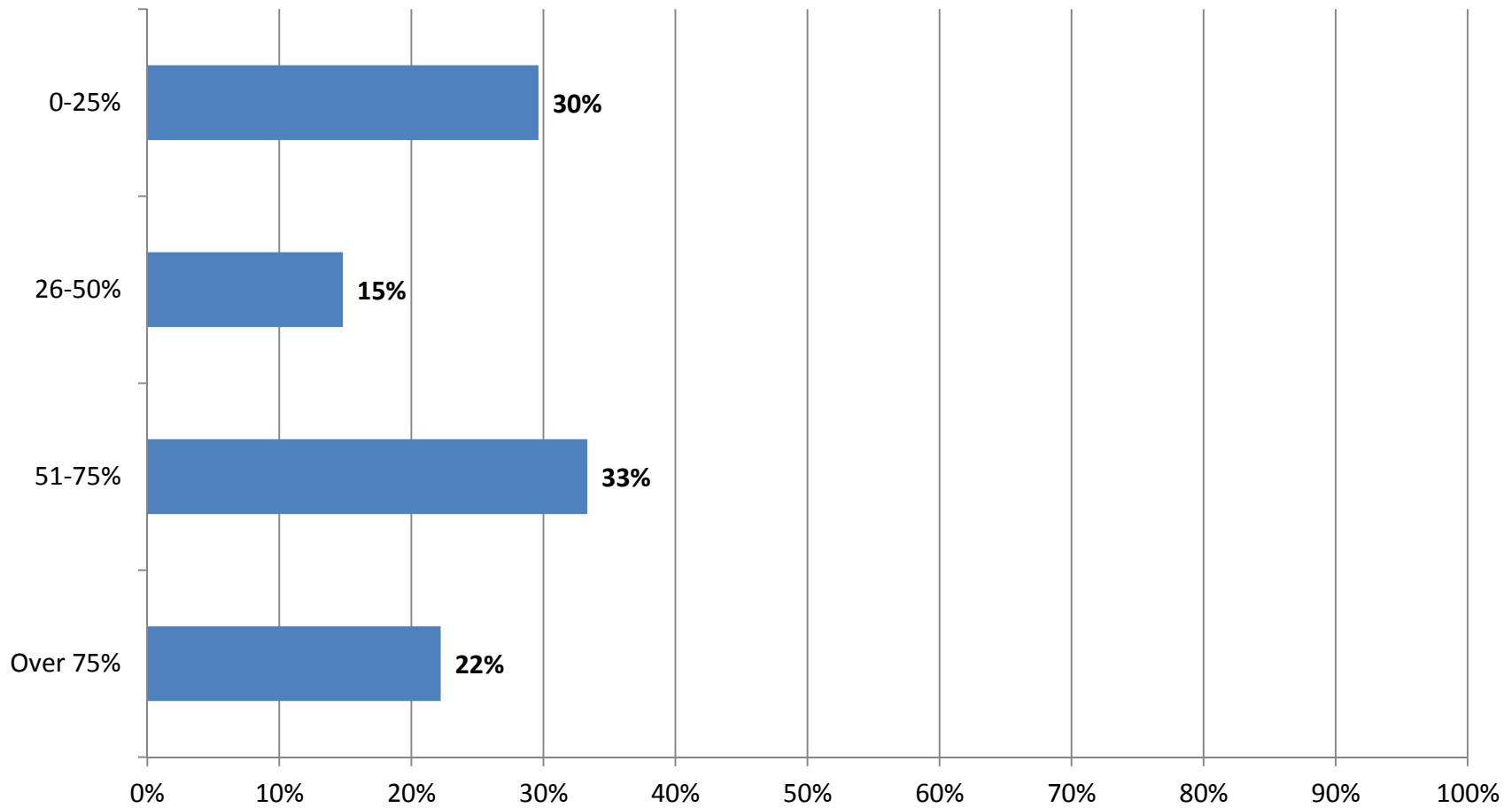


15. Compared to 2010, what do you anticipate your business volume will be in 2011?



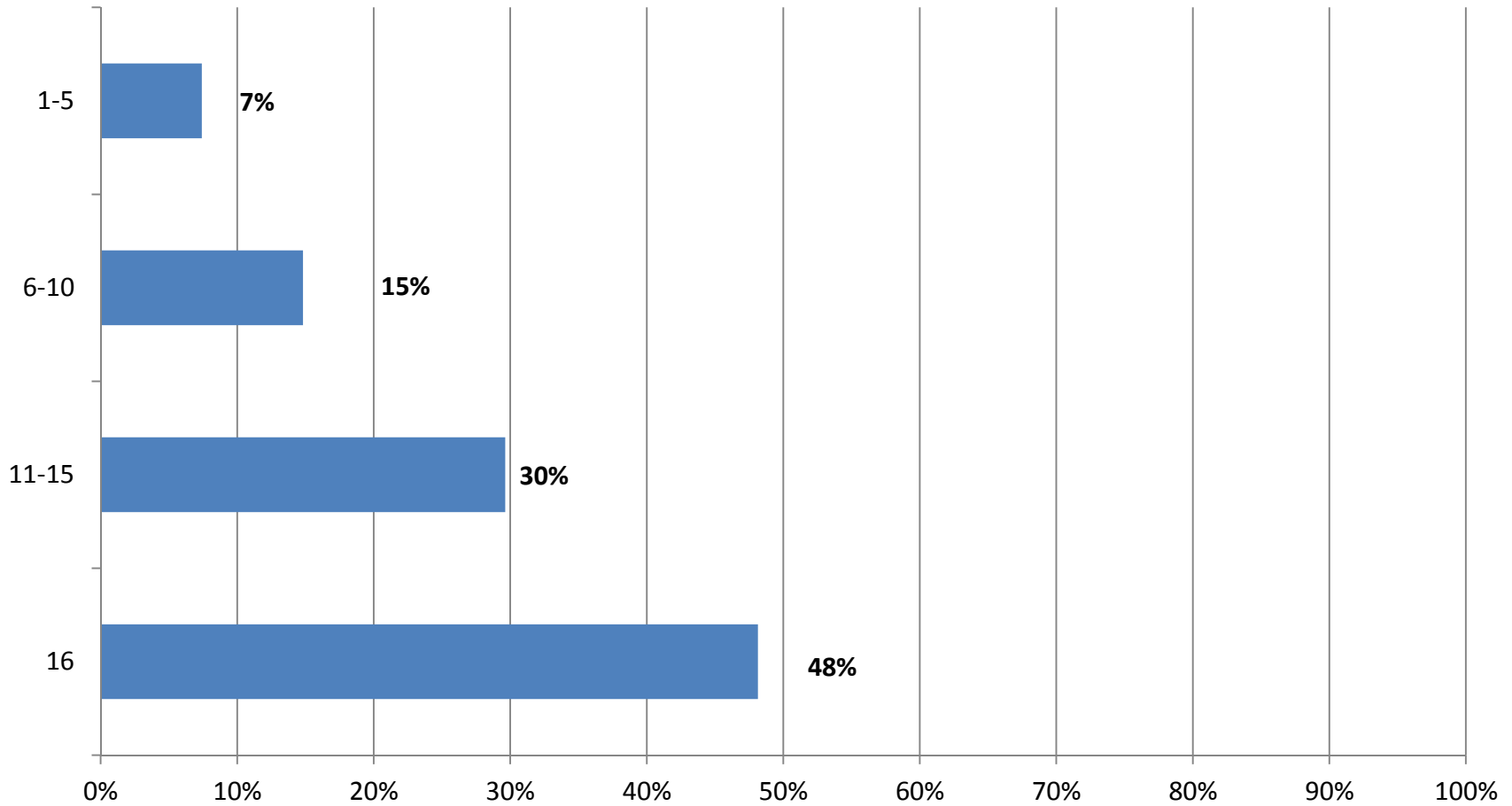


## 16. What percentage of your product is shipped outside of Canada?



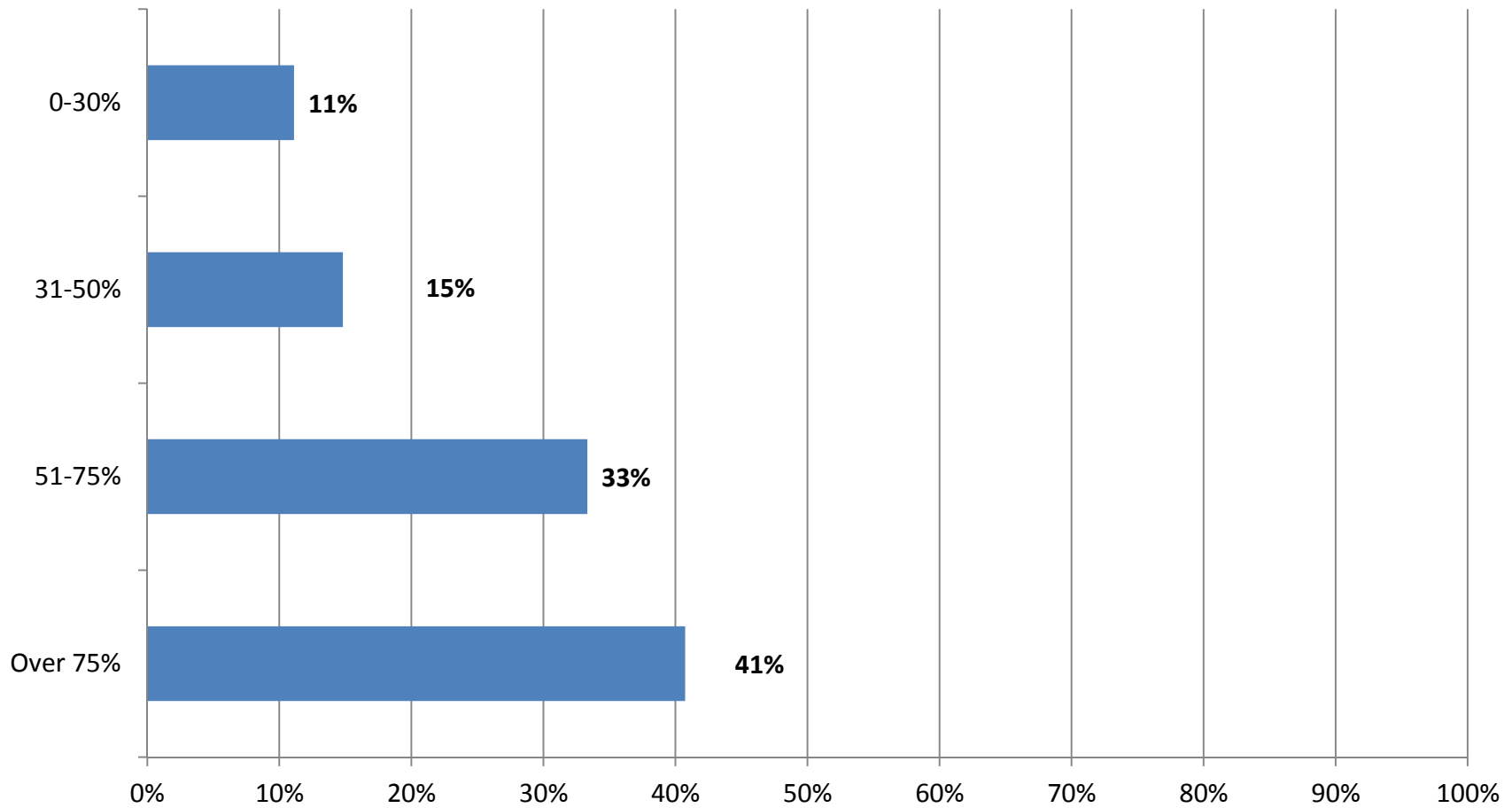


## 17. What is the number of injection molding machines at your plant?



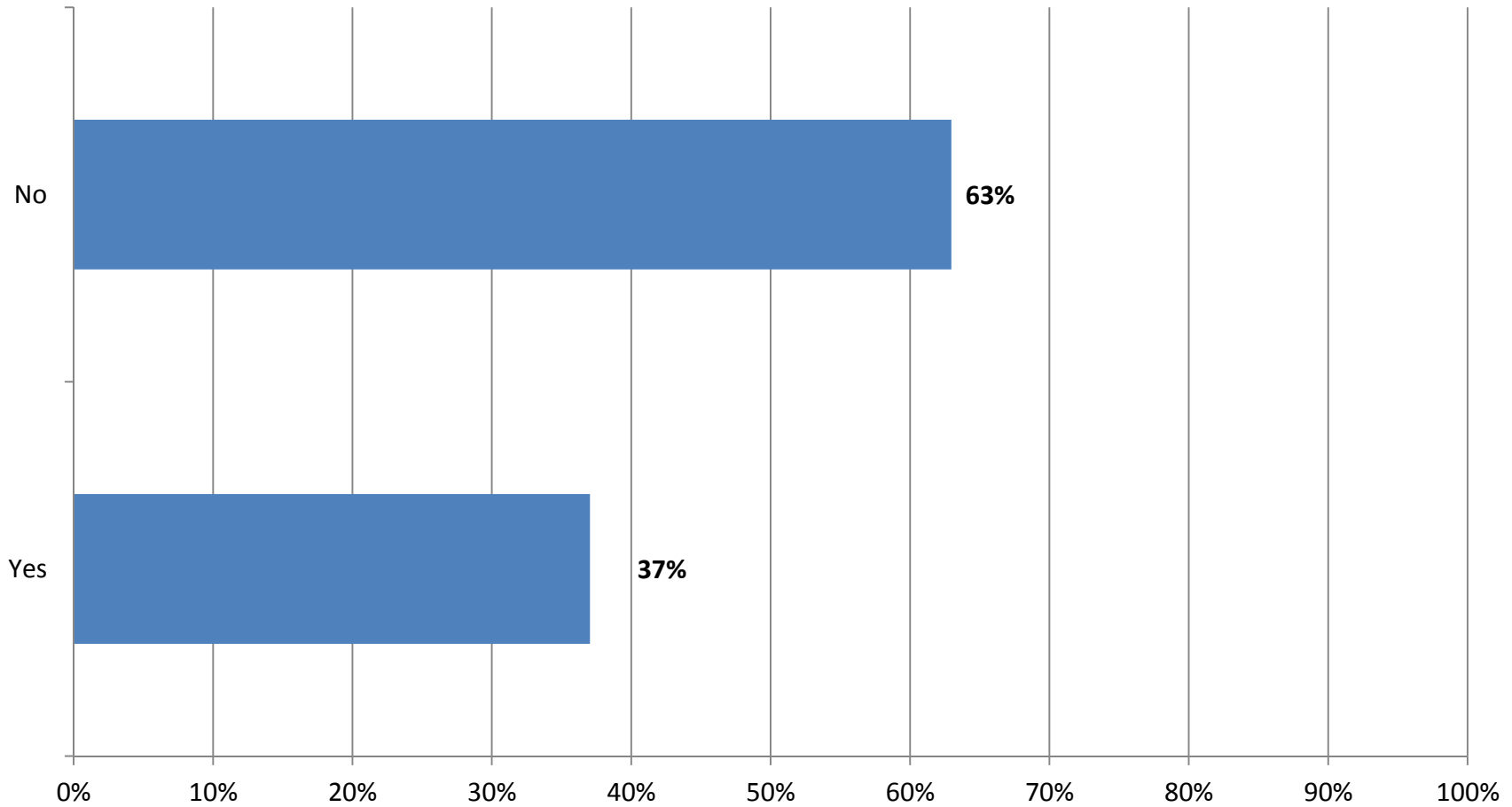


## 18. What percentage of your machinery is more than five years old?



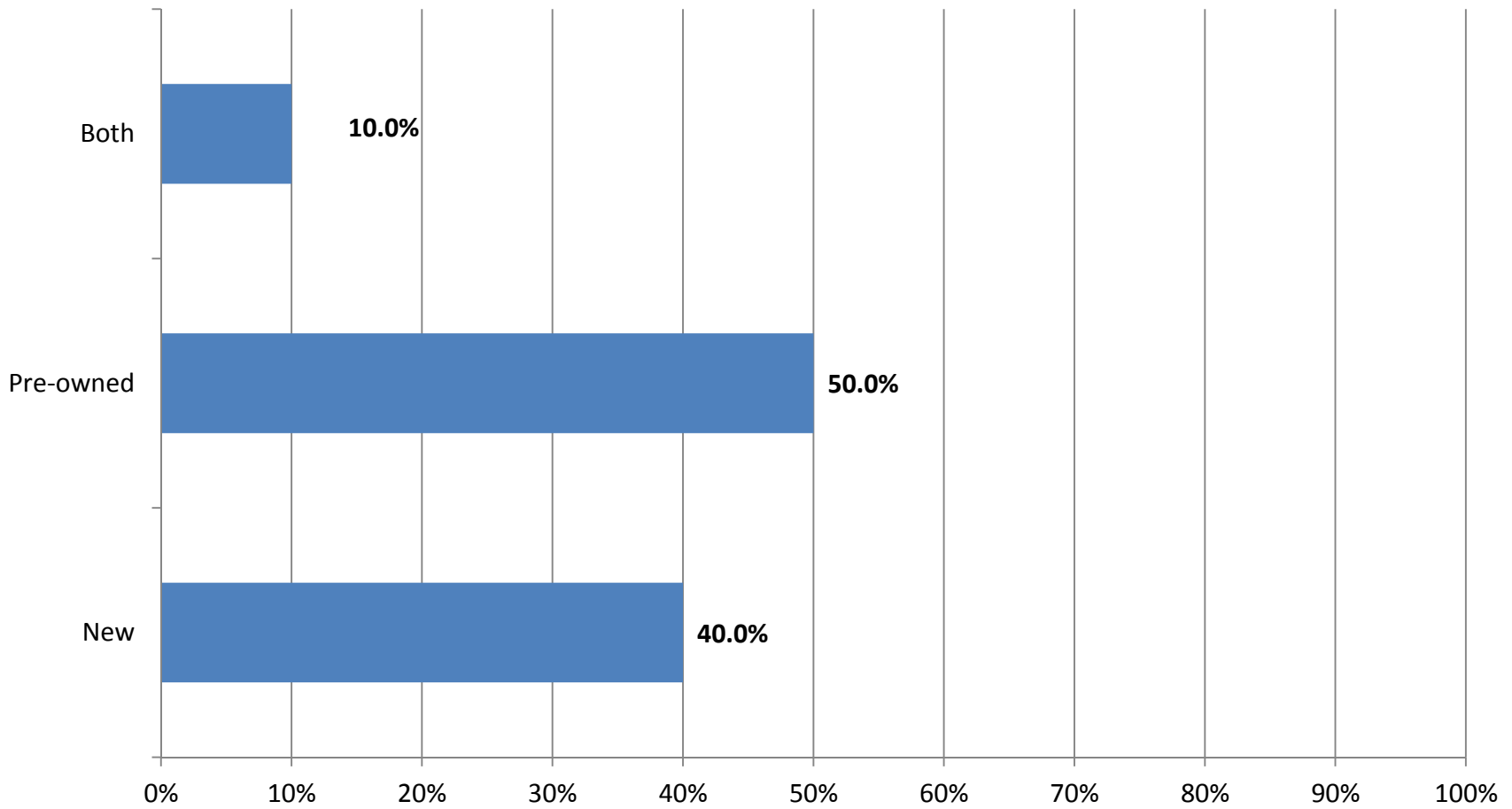


19. a) Were any new injection molding machines purchased for your plant in 2010?



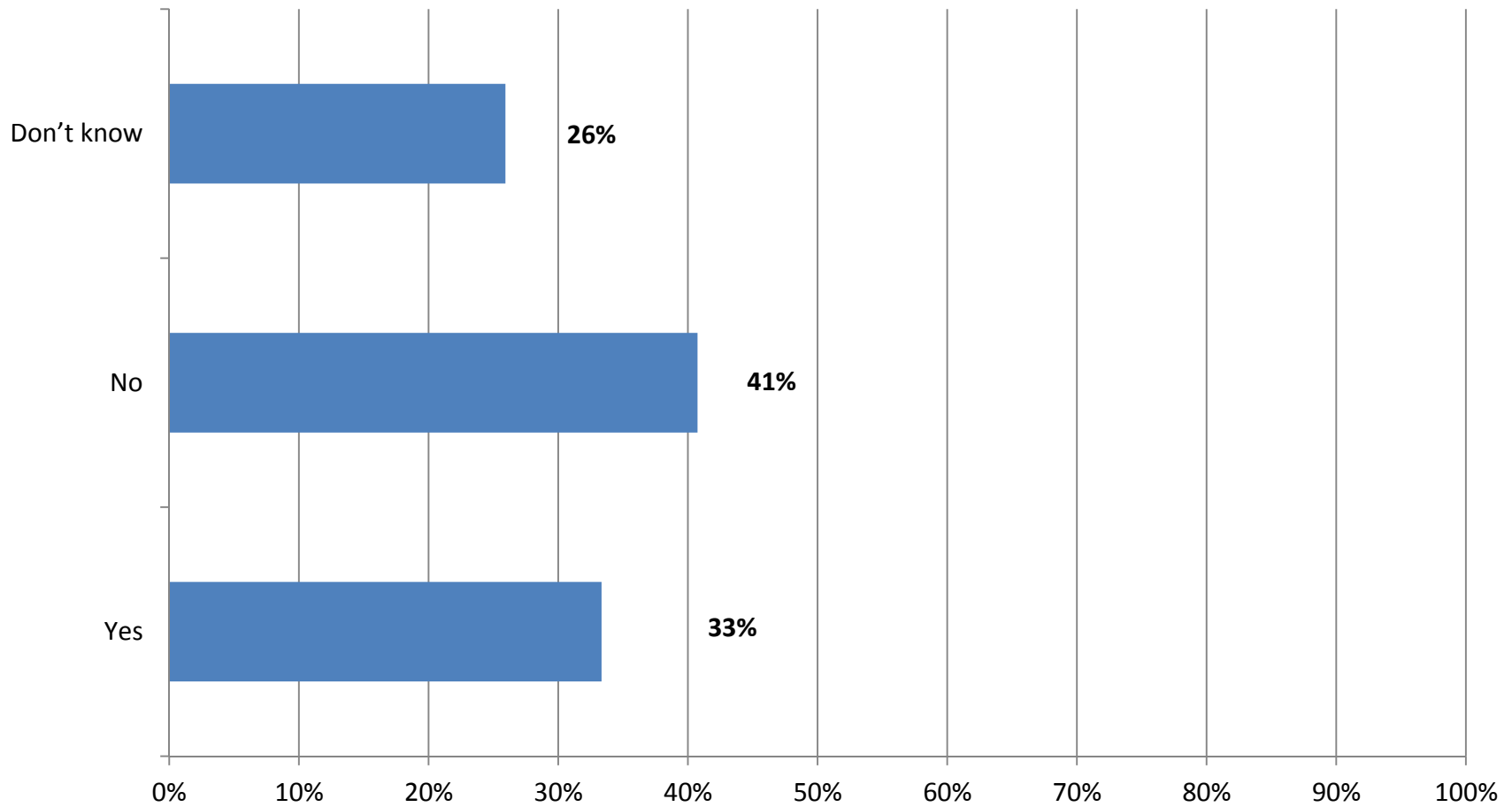


19 b) If yes, were the purchased machines...



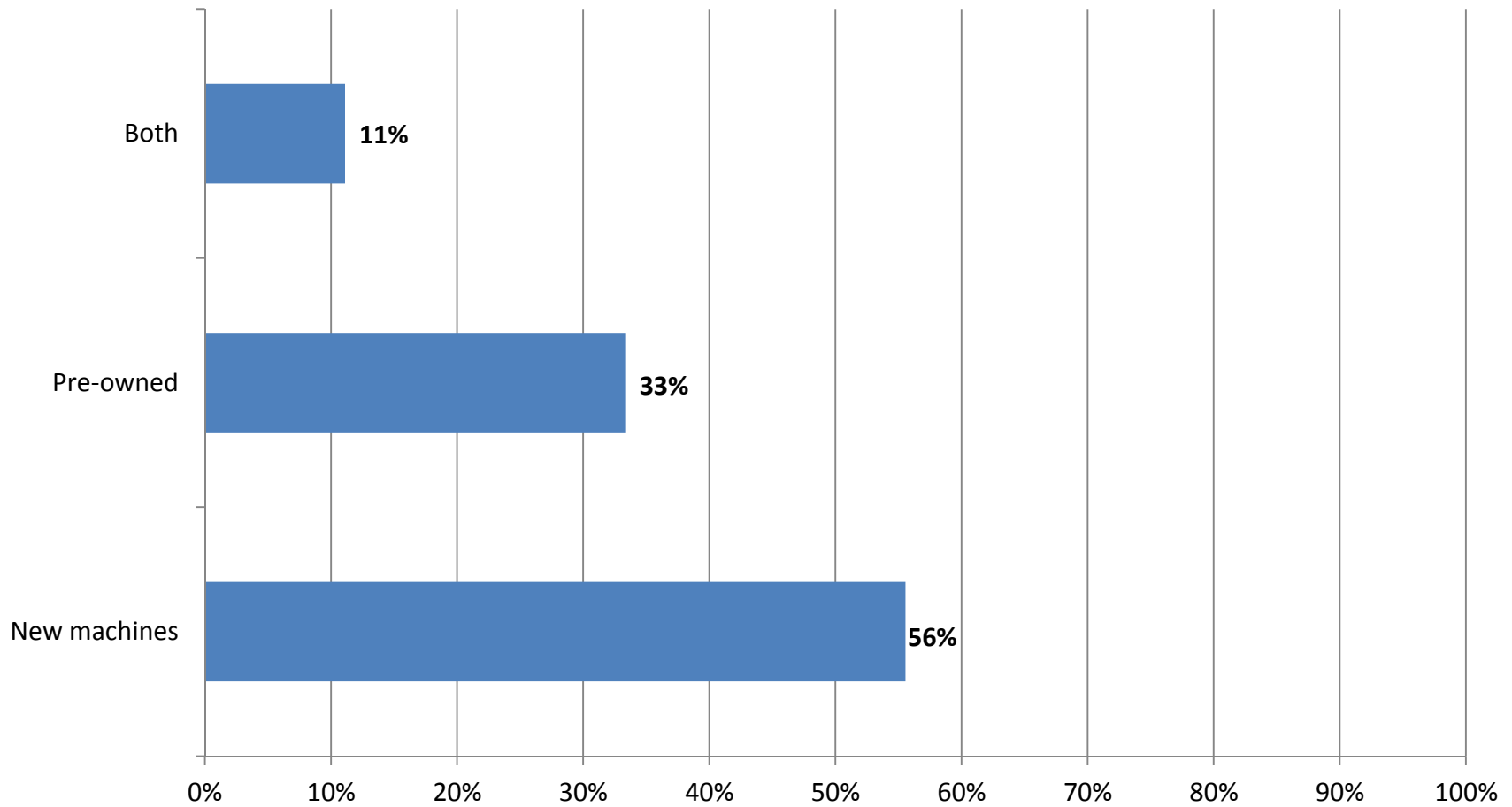


## 20. Will new injection molding machines be purchased for your plant in 2011?



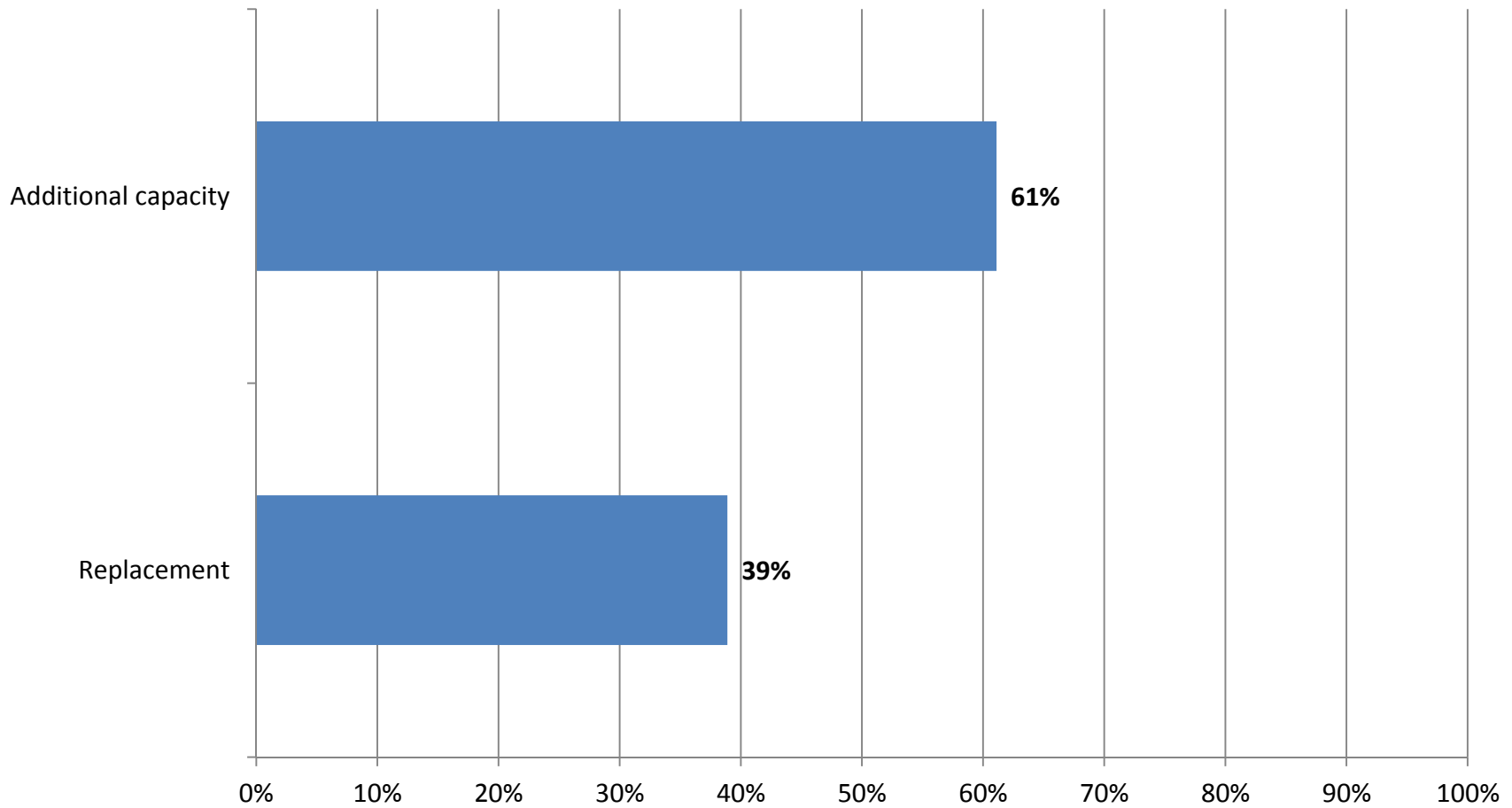


## 21. a) Do you intend to buy...



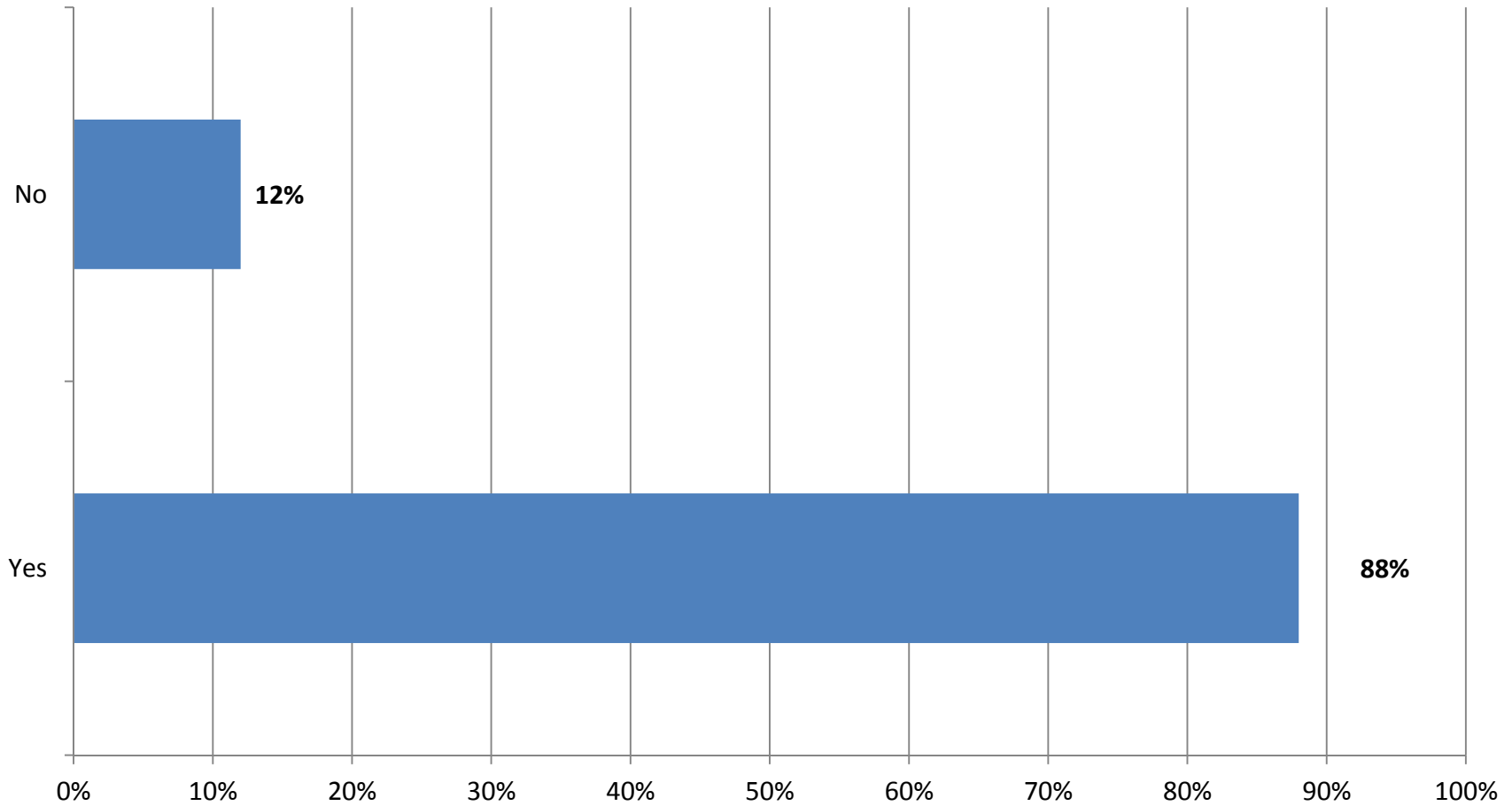


## 21. b) Is it for replacement of old equipment or for additional capacity?



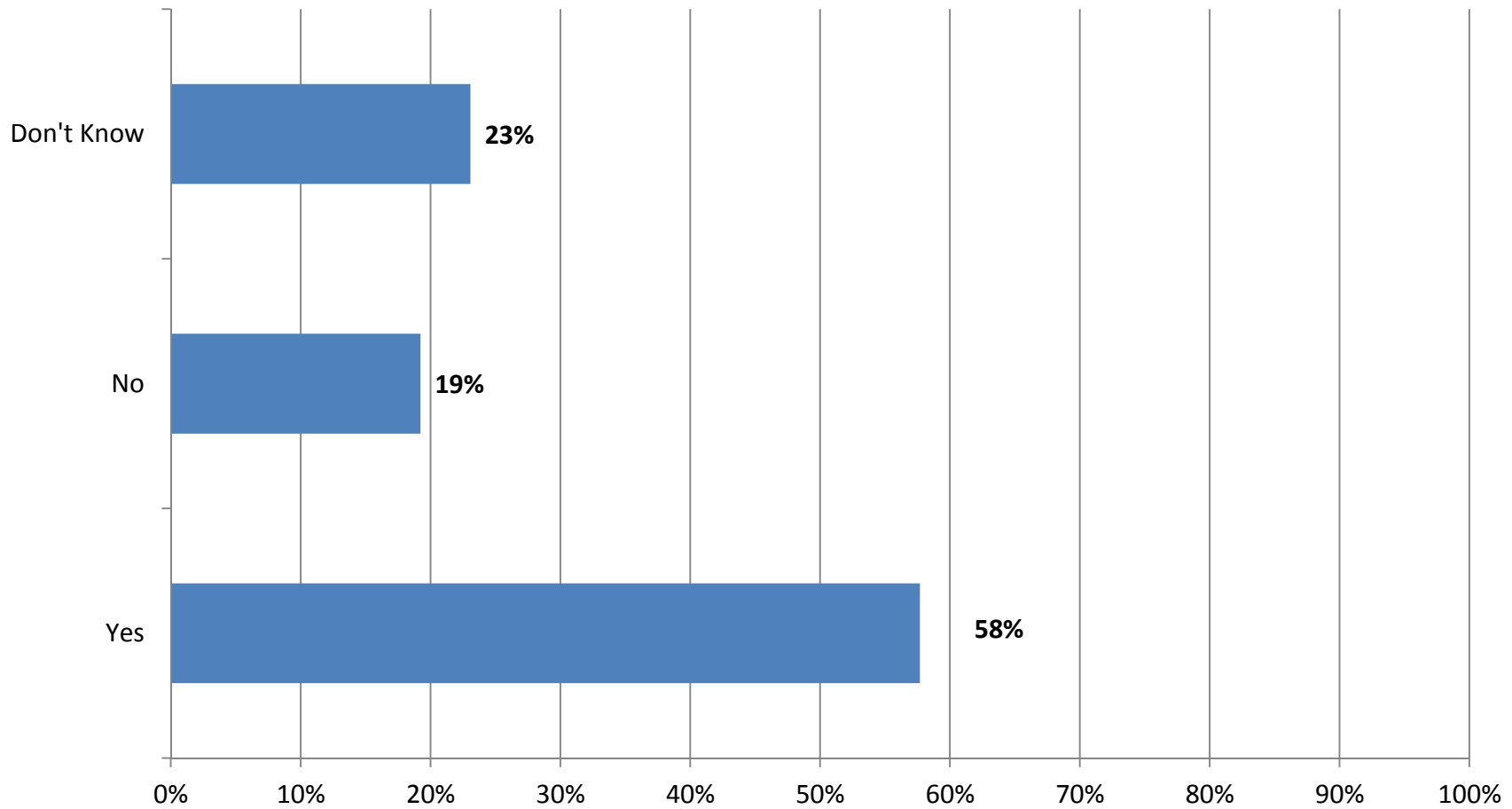


## 22. Was any auxiliary equipment purchased for your plant in 2010?



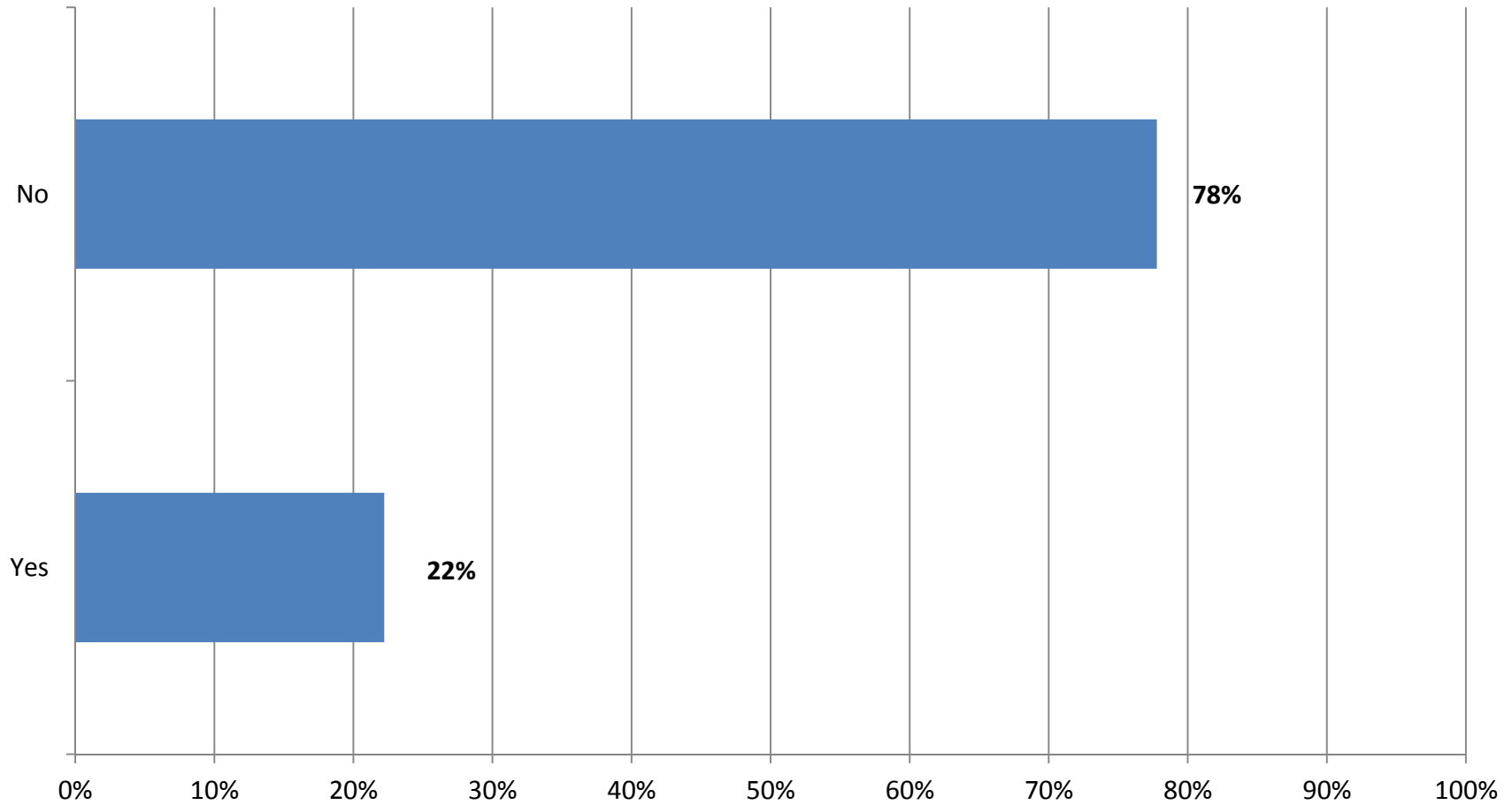


### 23. Will new auxiliary equipment be purchased for your plant in 2011?



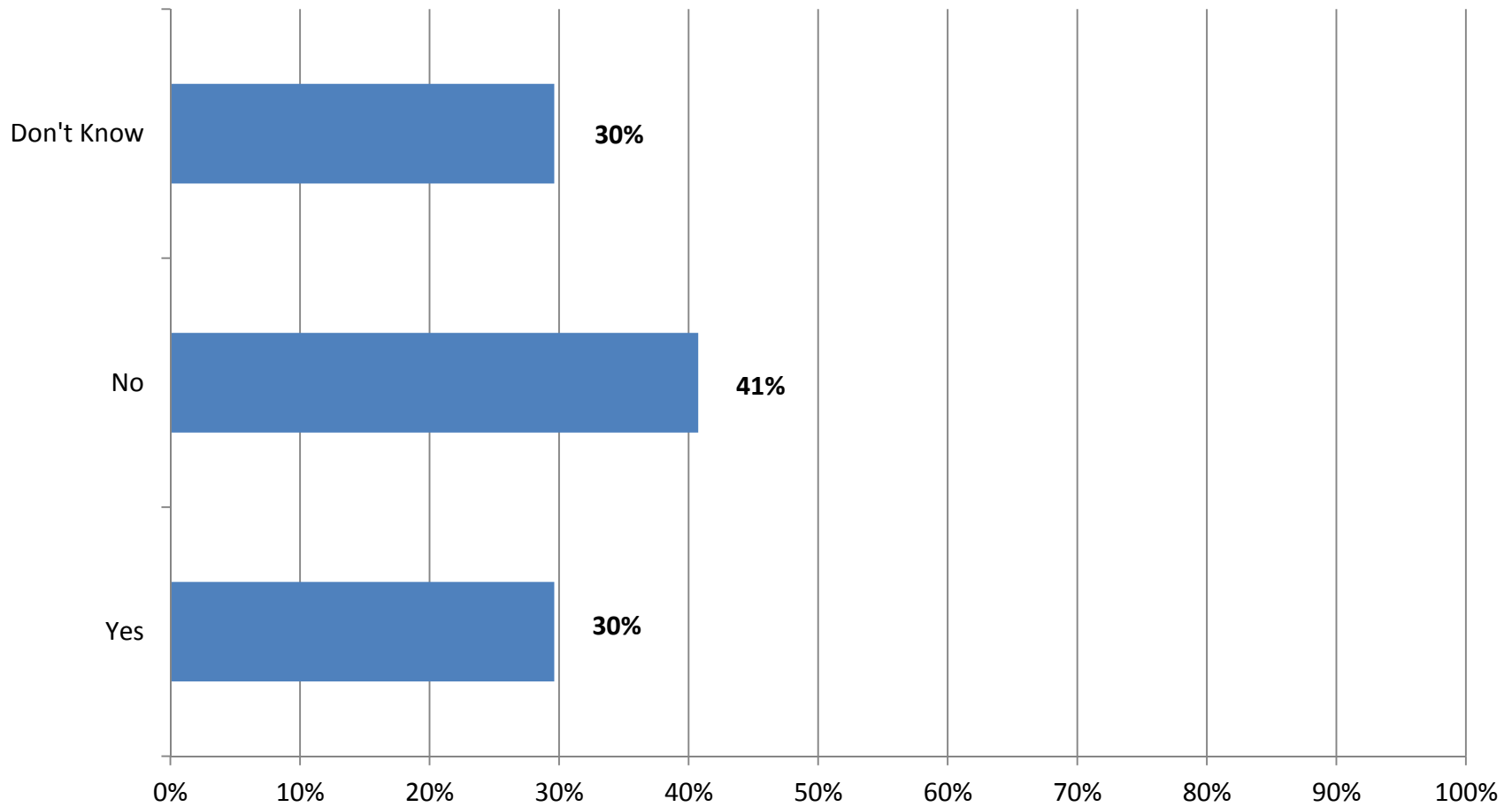


24. a) Were any new linear (3-axis) robots purchased for your plant in 2010?



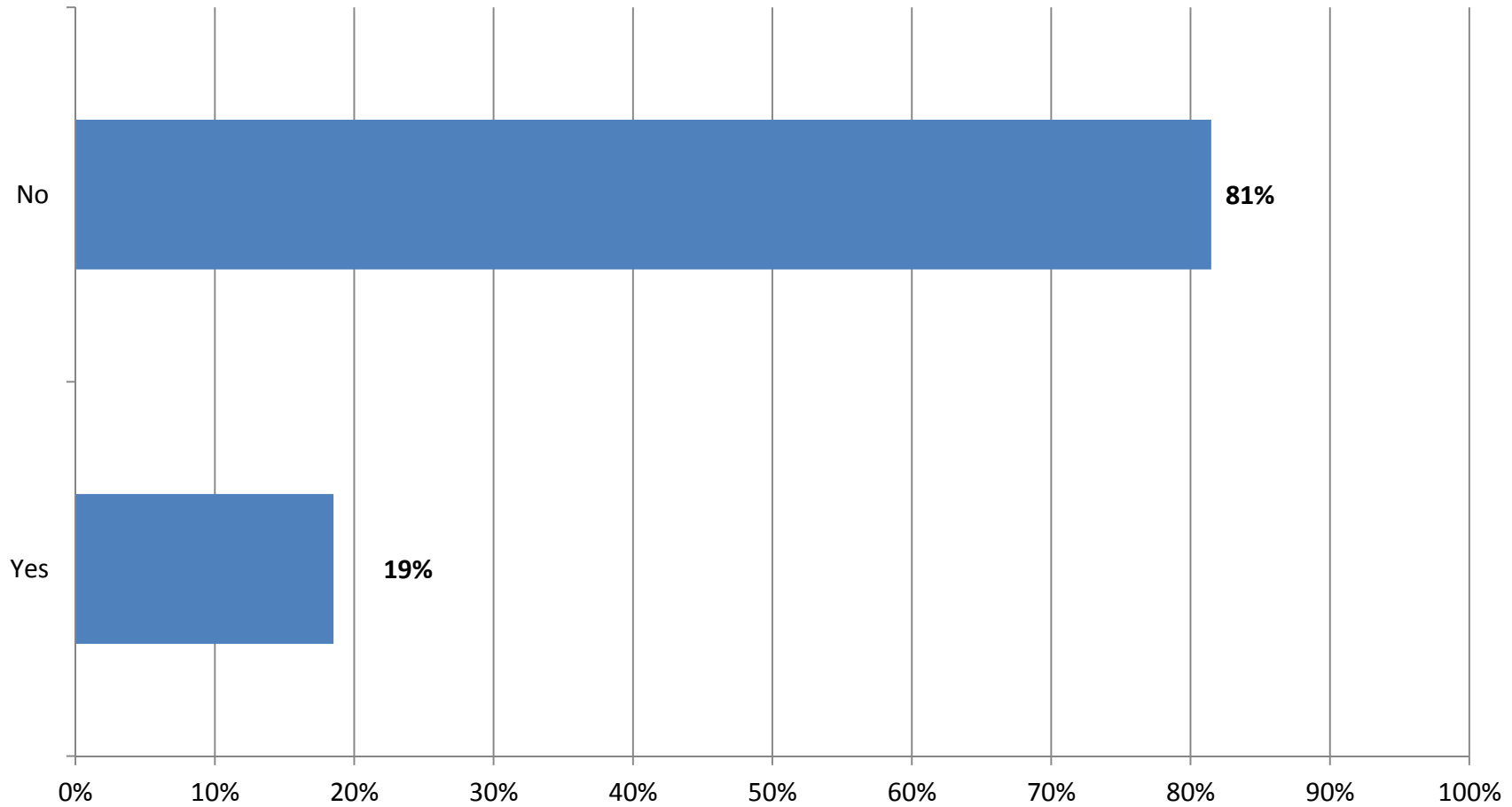


## 24. b) Will any new linear robots be purchased for your plant in 2011?



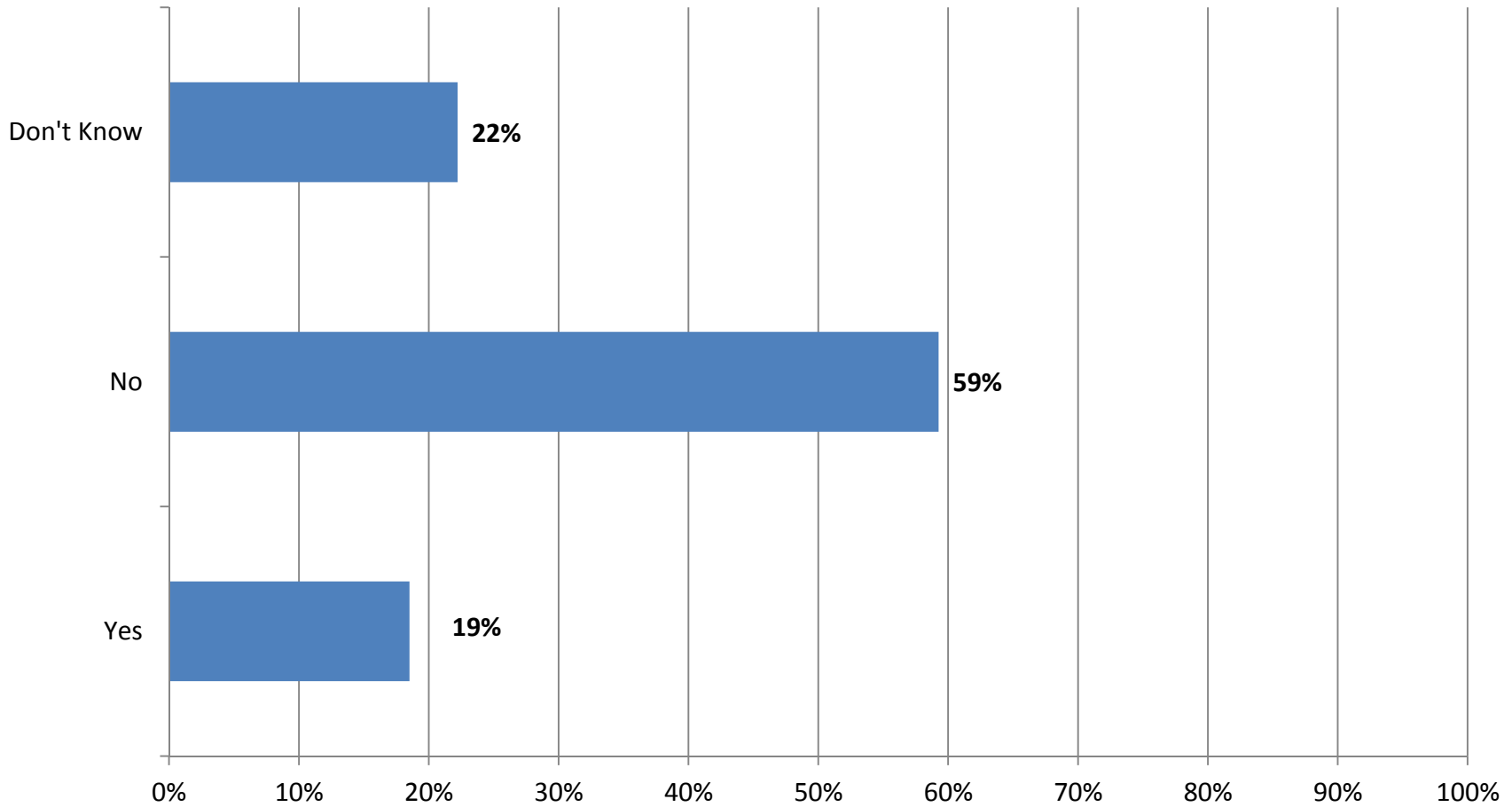


25. a) Were any new articulated (6-axis) robots purchased for your plant in 2010?



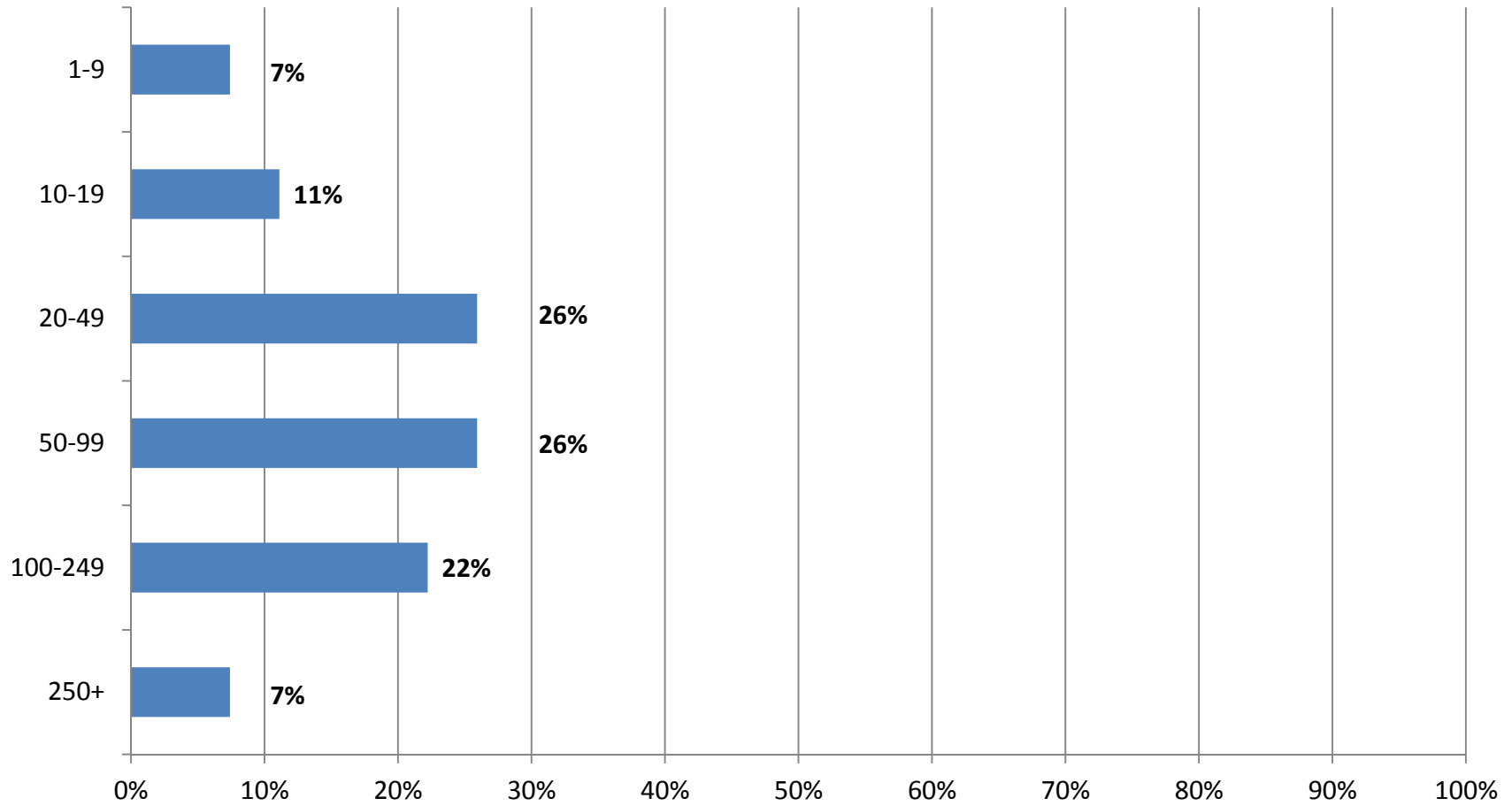


25. b) Will any new articulated (6-axis) robots be purchased for your plant in 2011?



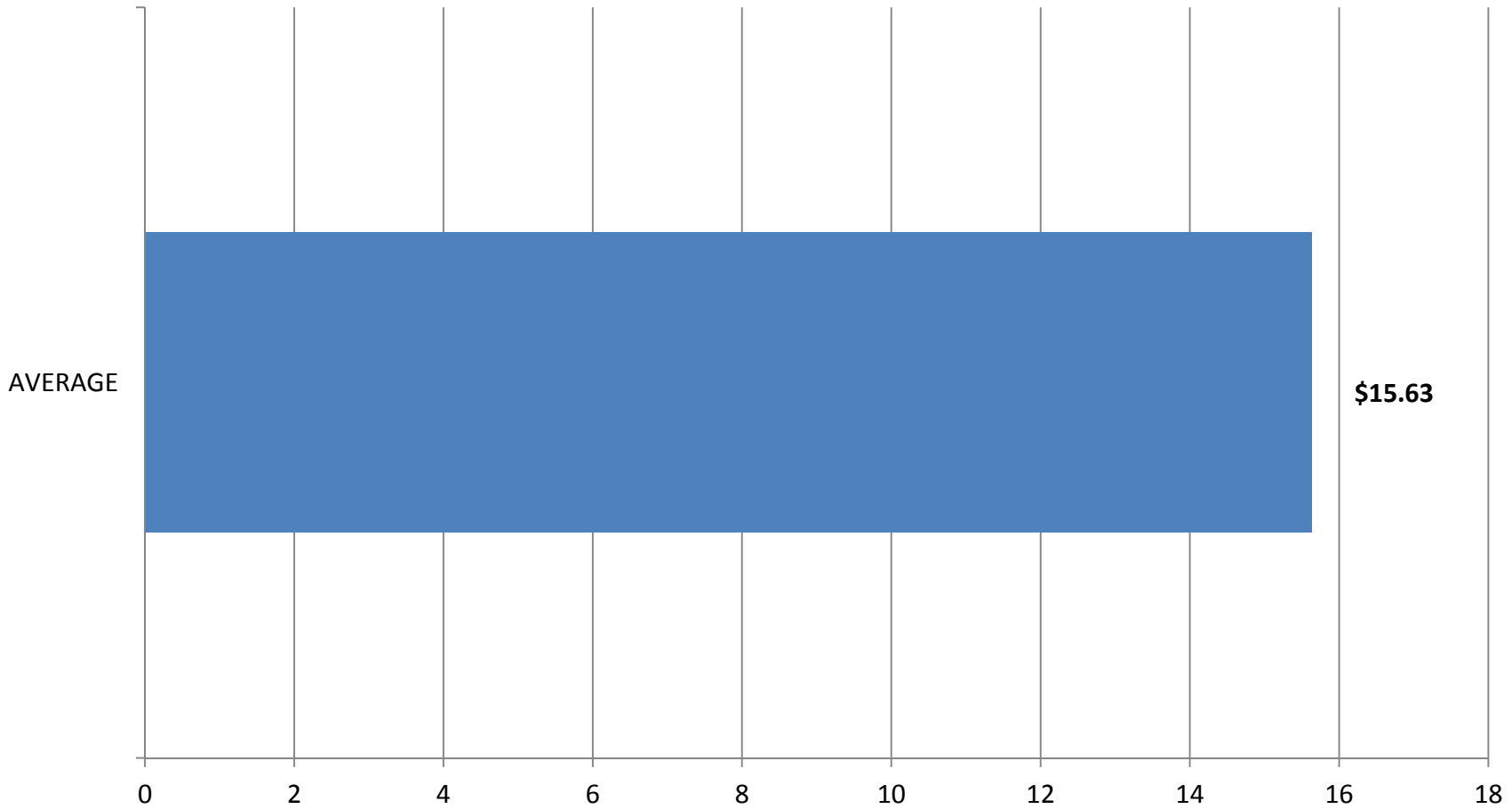


## 26. How many employees work at your plant?





27. What is the hourly rate paid to a machine operator, excluding benefits?





## 28. Please select the province/territory where your plant is located:

