



What are your top 3 GUI testing challenges?

58%

55%

48%

45%

34%

30%

20%

In addition to functional UI testing, QA teams are responsible for a wide variety of testing at

organizations. 97% of respondents indicated that their QA team is responsible for at least two

In addition to functional UI testing, what other

types of testing is the QA team responsible for

at your organization?

42%

41%

38%

7%

1%

51% - 75% of

test cases

75% - 99%

0% All

43%

automation engineers (48%).

Ability to create and

Ability to hire test

automation engineers

Large number of test cases

Test environment set up

and maintenance

Flaky/unreliable

test automation

Justifying the

1%

**51%** 

expense of testing

Other: time-related

additional types of testing.

**58%** 

**61**%

7%

None

maintain test automation

Ability to hire testers with

domain knowledge and skills

0% Usability Compliance Performance Security Other User Accessibility Localization Experience Automating testing is providing the greatest ROI, but it is still a challenge due to budget, staff, and technology constraints 17% of respondents identified automation initiatives as the development or testing initiative that generated the greatest ROI in the previous year. Other common answers included end-to-end testing. What development or testing initiative gave you the greatest ROI in the previous year? Automation/ automated testing (17%)**End-to-end testing** (6%) API testing, Performance testing, UI Testing (4%) Continuous testing, Outsourcing, RPA (3%) 91% of respondents have automated less than half of their testing. How much of your graphical user interface (GUI) testing is being performed by automation today 46% 38% 1% - 25% of test cases 26% - 50% of test cases

43% of executives surveyed are not entirely satisfied with their current level of automation.

1%

Very satisfied

**Title** 

Director

**45**%

VP

25%

C-Suite

30%

11%

Dissatisfied

What is your level of satisfaction with your

current level of automation?

**56%** 

Satisfied

3%

Very dissatisfied

28%

**Neutral** 

APAC 9%

10,001+

employees

5,001 - 10,000

employees

**EMEA 14%** 

24%

26%

< 1,001

employees

1,001 - 5,000

employees

Insights powered by PULSE

**Company Size** 

23%

27%

Most executives (58%) struggle to start GUI test automation projects due to budget constraints. Challenges with training staff (53%) and applications incompatible with automation (51%) are also frequent barriers. What are your biggest barriers to starting a **GUI test automation project?** 58% **53% 51%** 50% 31% 1% Staff -**Budget** Technology Staff - hiring Lack of Other training of the automation application tools under test Respondent Breakdown Region North America 77%