

BE INNO VATION

Injection Molding is our passion.

Process Engineering is our business.

To give Support is what we love to do.



Testing



- Benchmark Tests
- Testing of Prototypes
- Testing of Sample Parts
- Validation of Simulation Results
- Structural Performance Evaluation





Benchmark Tests



- Benchmark tests set performance standards
- Development of a new frame
 - Testing of commercially available products
 - Testing of previous models
- Comparison of plastic and aluminium frames
- Versatile applicability: forks, handlebars and other bike components





Testing of Prototypes



- Prototypes for design validation
- Newly developed frame → commission 3Dprinted prototype
- Conduct selected tests





Testing of Sample Parts



- Sample part testing ensures quality control
- Investigate influence of production parameters on component properties





Validation of Simulation Results



- Validation of structural simulations
- Confidence in product design through simulation validation





Structural Performance Evaluation



- Enhanced safety and performance through structural evaluation
- Different load cases applied sequentially on one frame upon clamping
- Flexible clamping
- New test setups can be created for specific applications or load cases





Load cases

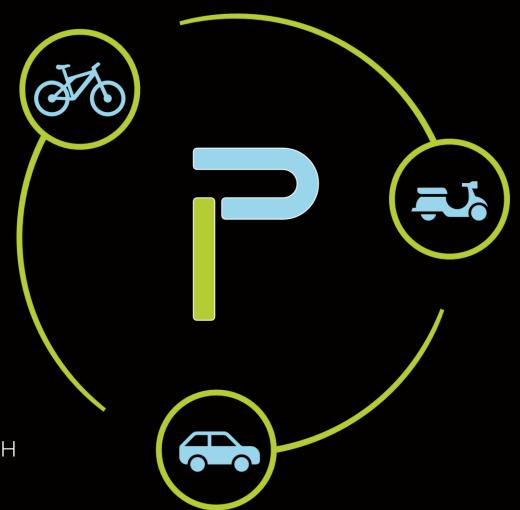


- Head tube
- Bottom bracket
- Rear triangle
- Seat tube
- Static and dynamic tests
- Maximum load









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