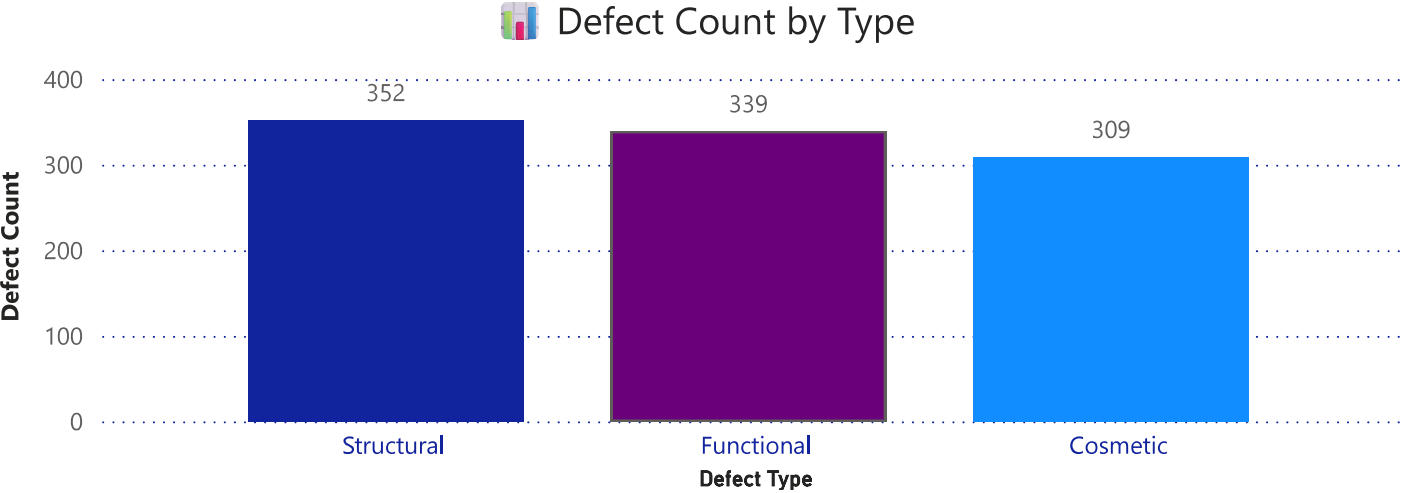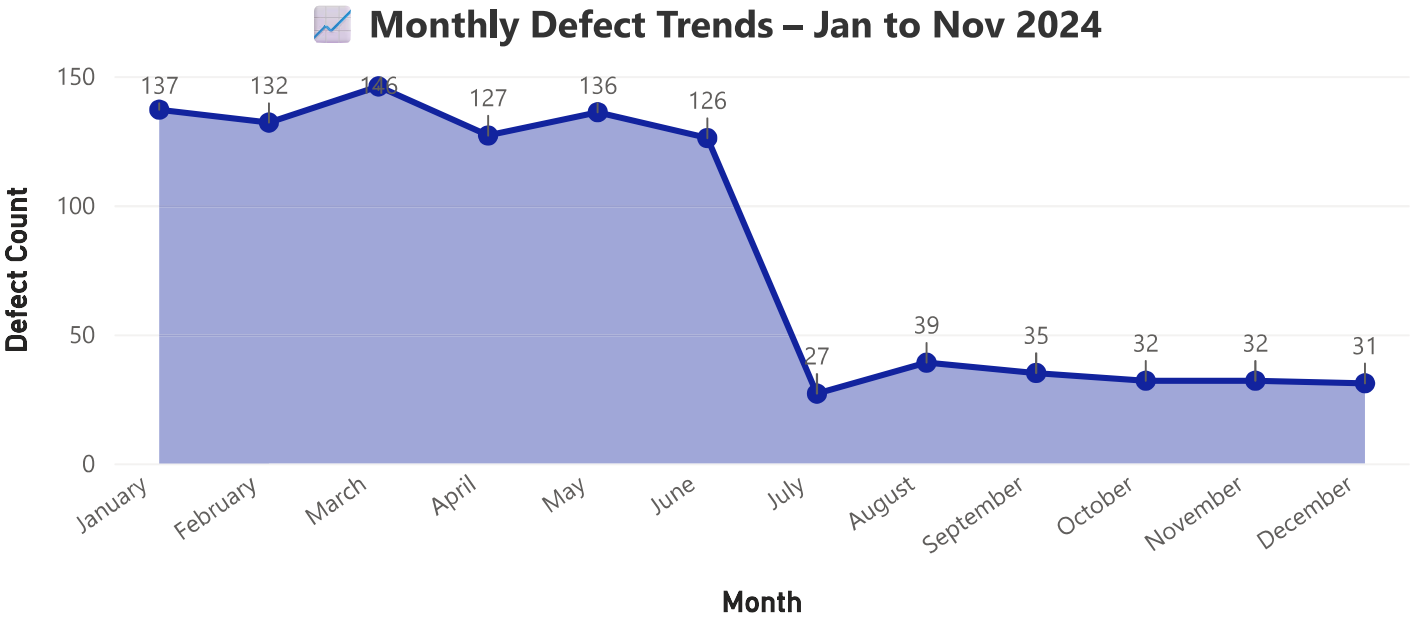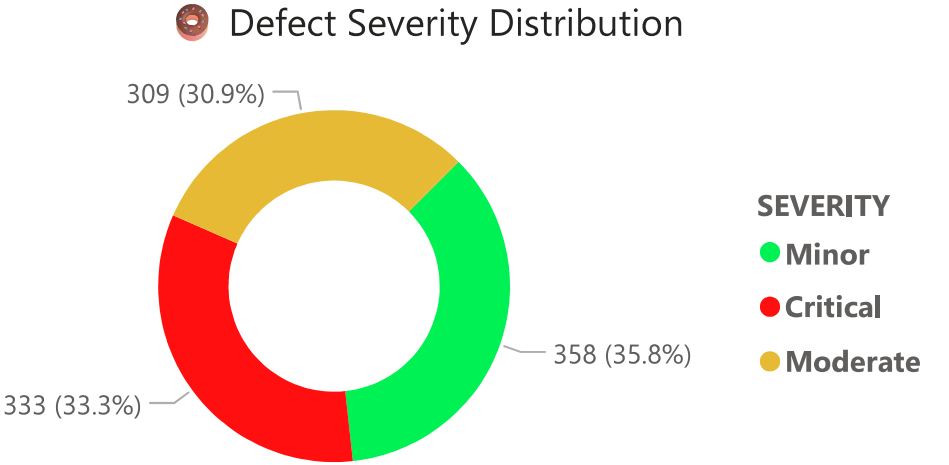# Quality Defect Overview Dashboard

A summary of defect types, severity distribution, and key metrics from Jan–Nov 2024.

📈 Monthly Defect Trends – Jan to Nov 2024

	✅ Total Defects	🔥 Critical Defects
	1,000	333

💰 Avg. Critical Repair Cost
168.5K€

📊 Defect Count by Type

🍩 Defect Severity Distribution

309 (30.9%)
358 (35.8%)
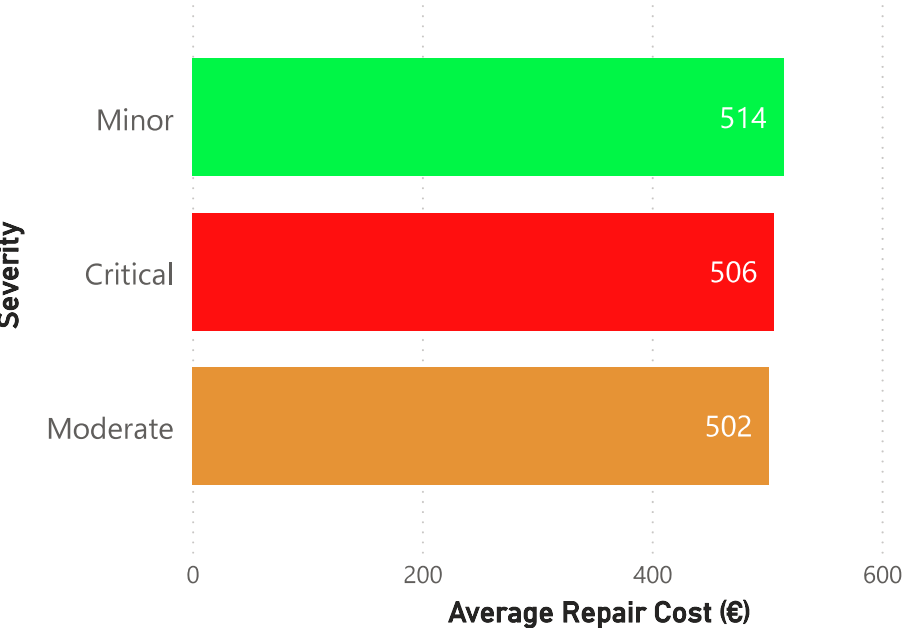333 (33.3%)

SEVERITY
- 🟢 Minor
- 🔴 Critical
- 🟡 Moderate

🔍 Insight:
Critical defects make up only 33% of cases but contribute significantly to repair costs. Focusing on reducing them can improve quality performance and cost efficiency.

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Inspection & Cost Analysis Dashboard

A breakdown of average and total repair costs by defect severity and inspection method.

🧮 Avg. Repair Cost by Severity

- Minor: 514
- Critical: 506
- Moderate: 502

X-axis: Average Repair Cost (€) — 0, 200, 400, 600
Y-axis: Severity

💰 Avg. Critical Repair Cost	💶 Avg. Repair Cost	🧾 Total Repair Cost
€ 168.46K	€ 507.6	€ 507.6K

🔍 Defect Count by Inspection Method & Severity

Inspection Method	Critical	Minor	Moderate	Total
Manual Testing	119	135	98	352
Visual Inspection	110	122	119	351
Automated Testing	104	101	92	297

X-axis: Count of Defect — 0, 50, 100, 150, 200, 250, 300, 350

severity ● Critical ● Minor ● Moderate

🔍 Insight:
Although Automated Testing detects the highest number of critical defects, its average repair cost remains similar across severity levels. Visual Inspection may require optimization to target high-cost issues more efficiently.

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