



TAURUS

ENGINEERING & MANUFACTURING

*Enhancing Production Excellence at Taurus Engineering
by investing in the Arburg ALS software system*

Challenges of Purchasing Plastic Components

- **Maintaining consistent part quality**
- **Managing production data**
- **Tooling health and maintenance**
- **Regulatory Compliance**
- **Scalability**
- **Change management**
- **Cost management**

At Taurus Engineering, we understand these challenges. That's why we've made a strategic investment in Arburg's leading-edge Manufacturing Execution System, also known as ALS (Leitrechnersystem).



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Thinking
Outside
the box.

Our Solution

Your vision, your standards,
enhanced by Taurus' innovation



Why We Chose Arburg's MES: At Taurus Engineering, we're committed to delivering the highest quality plastic components and assemblies for medical devices. To achieve this, we recognized the need for a robust system that could streamline our operations, enhance our efficiency, and ensure consistent quality.

Continuous Improvement: The adoption of ALS is part of our ongoing commitment to continuous improvement. We're constantly exploring ways to leverage the system's capabilities to enhance our operations and deliver better products to our customers.

Our Commitment to You: By investing in Arburg's MES, we're not just improving our operations - we're enhancing our ability to meet your needs. Whether it's delivering high-quality products, meeting tight deadlines, or adapting to your changing requirements, we're better equipped than ever to serve you.



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Data you can trust, when you need it

- Data-Driven Quality Control - By seeing real time data and insights our team is able to respond quickly and proactively before your parts are affected.
- Detailed Documentation: Our system records all aspects of the production process, from machine settings and production times to operator actions. This enables us to take swift and effective corrective actions should any issues arise.
- Regulatory Assurance - Full system audit trail means you can trust the data months or even years after parts were molded.

Actual values - Machine: 25 Order: 174220010 Program: 1328B

Short column designator

Statistical dimensions

	Average cy...	Injection ti...	Melt cushi...	Max. injecti...	Switch-ove...	Switch-ove...
Nominal v...	44.360	0.826	0.01	216904	154646	0.02
Lower tole...	39.924	0.744	0.01	195214	139181	0.01
Upper tole...	48.796	0.909	0.01	238595	170110	0.02
Minimum	44.360	0.824	0.01	215680	150036	0.02
Maximum	44.360	0.830	0.01	218714	160478	0.02
xqq	44.3600	0.8263	0.012	216972.9	154665.0	0.015
Rq	0.0000	0.0026	0.000	1360.2	4427.2	0.000
sq	0.0000	0.0012	0.000	544.7	1751.7	0.000
Sigma	0.0000	0.0013	0.000	579.5	1863.5	0.000
Cp	0.0000	21.8666	12.670	12.5	2.8	119.875

Measured values

Test sample	Time	Quantity	Average cy...	Injection ti...	Melt cushi...	Ma
2/3	Jul 18, 2023 12:50:4...	1666	44.360	0.830	0.01	21
2/4	Jul 18, 2023 12:51:3...	1667	44.360	0.826	0.01	21
2/5	Jul 18, 2023 12:52:1...	1668	44.360	0.826	0.01	21
3/1	Jul 18, 2023 12:59:3...	1678	44.360	0.826	0.01	21
3/2	Jul 18, 2023 1:00:23 ...	1679	44.360	0.826	0.01	21
3/3	Jul 18, 2023 1:01:07 ...	1680	44.360	0.826	0.01	21
3/4	Jul 18, 2023 1:01:52 ...	1681	44.360	0.826	0.01	21
3/5	Jul 18, 2023 1:02:36 ...	1682	44.360	0.828	0.01	21
4/1	Jul 18, 2023 1:09:15 ...	1691	44.360	0.826	0.01	21
4/2	Jul 18, 2023 1:10:00 ...	1692	44.360	0.824	0.01	21



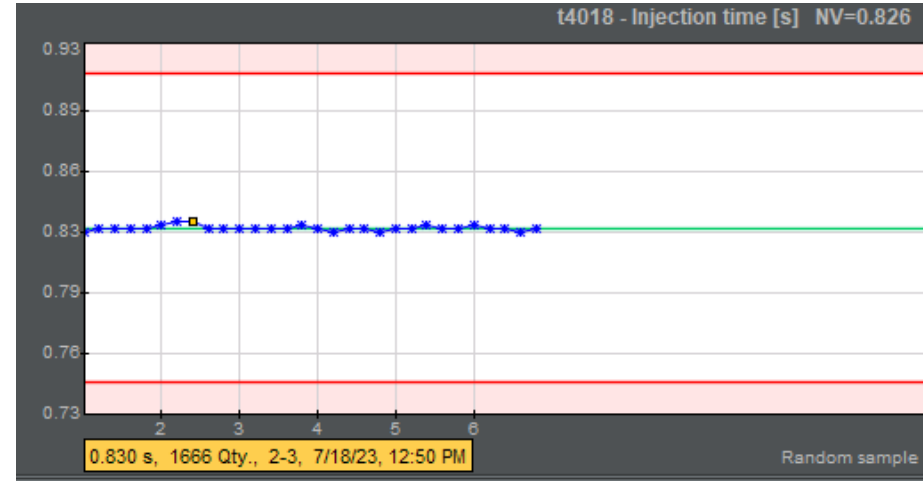
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Real Time
Process
Monitoring

Informed
Manufacturing

Consistent
Quality

Record retention
7+ years



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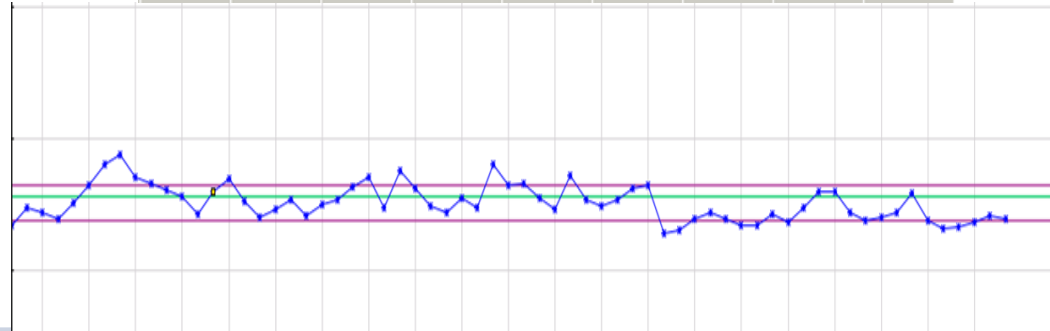
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Ensuring Unmatched Reliability for Validated Products

At Taurus Engineering, we've transformed the FDA's 'special process' of injection molding into our signature strength. With the correct software and our team, we're not just meeting FDA standards, we're setting new benchmarks.

When you collaborate with Taurus Engineering, you're not just engaging a supplier - you're gaining a partner who is as passionate about perfecting this 'special process' as you are about revolutionizing medical technology."

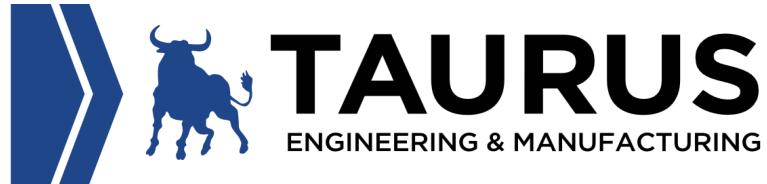
f1403	p4055 psi 15700 1000	V4065 in ³	t4018 s	p4072 psi 12000 1000	t4018 s 2.41 0.10	V4065 in ³ 0.5 0.0	V4062 in ³ 0.3 0.0	t4012 s 40.00 15.00
1	21280	0.6	0.55	21280	0.55	0.6	0.6	29.80
2	20342	0.6	0.52	20342	0.52	0.6	0.6	30.49
3	20577	0.6	0.52	20577	0.52	0.6	0.6	30.43
4	21060	0.6	0.52	21060	0.52	0.6	0.6	30.43
5	20426	0.6	0.52	20426	0.52	0.6	0.6	30.49
6	20598	0.6	0.52	20598	0.52	0.6	0.6	30.42
7	20923	0.6	0.52	20923	0.52	0.6	0.6	30.50
8	20411	0.6	0.54	20411	0.54	0.6	0.6	30.50
9	18701	0.6	0.54	18701	0.54	0.6	0.6	30.49
10	18643	0.6	0.54	18643	0.54	0.6	0.6	30.49
11	18706	0.6	0.54	18706	0.54	0.6	0.6	30.49



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Make Your Next Molding Project A Success With



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