



## **ARBURG Portfolio**

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**Energy Costs – Skill Lack - Volatility**

**Torsten Seeger**

Technical Sales

**ARBURG Anniversary Days 2023**

Lossburg, 8.-10. March 2023

**ARBURG**

FUTURE  
**ENERGY COSTS**

PRODUCTIVITY

# ARBURG Portfolio

INNOVATION

**SKILL LACK**  
QUALITY

SUSTAINABILITY  
**VOLATILITY**  
BIG DATA

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**ARBURG**

## Our anniversary machine – energy efficiency combined with productivity

Powerful  
drive train

Shorter cycle times through  
parallel movements

Energy-saving  
servo hydraulics

Three performance variants  
for optimal adjustment

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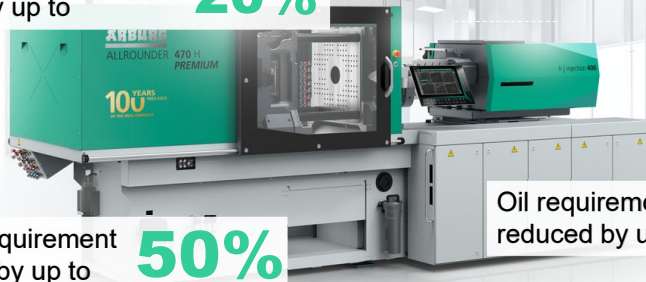
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## Our anniversary machine – energy efficiency combined with productivity

Cooling water requirement reduced by up to **20%**

Energy requirement reduced\* by up to **50%**

Oil requirement reduced by up to **35%**



## Our anniversary machine – lower energy costs



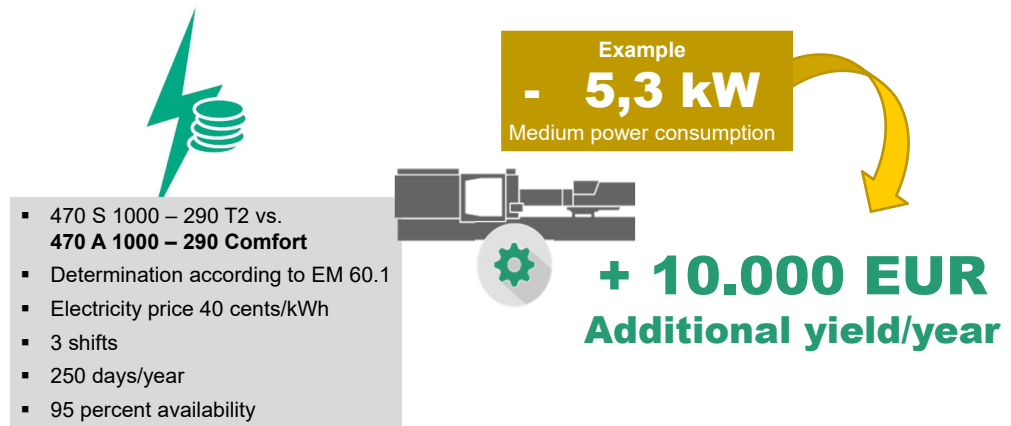
- 470 S 1000 – 290 T2 vs. 470 H 1000 – 290 Premium
- Determination according to EM 60.1
- Electricity price 40 cents/kWh
- 3 shifts
- 250 days/year
- 95 percent availability

Example  
- **5,1 kW**  
Medium power consumption

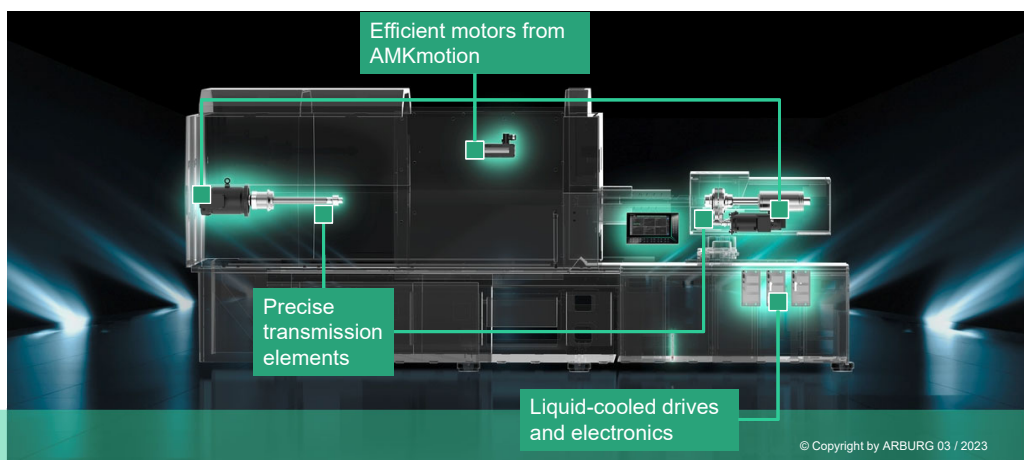


**+ 9.250 EUR**  
Additional yield/year

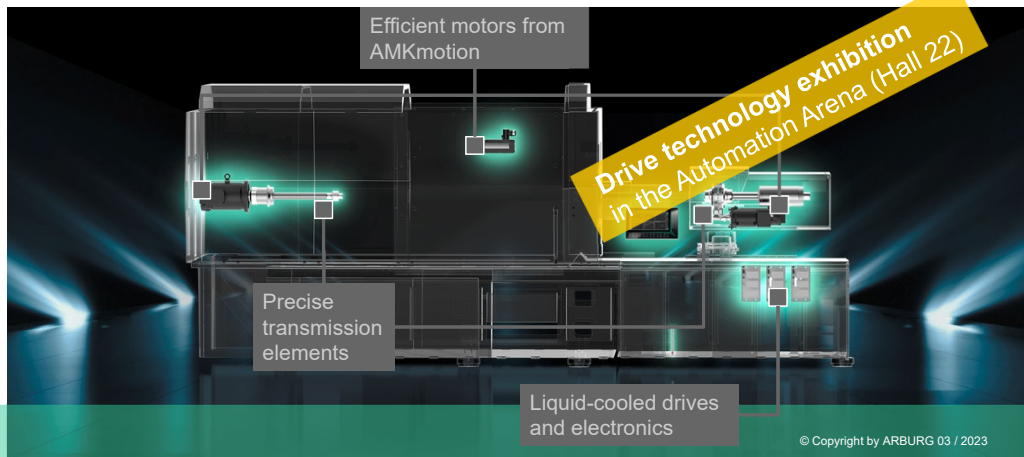
## Our ALLDRIVE – economical machine technology



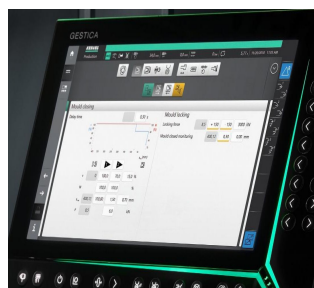
## Our drive solution – holistic and from a single source



## Our drive solution – holistic and from a single source



## Our digital services – increasing energy efficiency through digitization



**aXw Control  
EnergyAssist**  
Energy optimized start and stop of production



**Host computer system**  
Energy measurement of the entire production



**Customer portal  
arburgXworld**  
All digital services on the same site

**ARBURG**

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INNOVATION  
**SKILL LACK**  
QUALITY

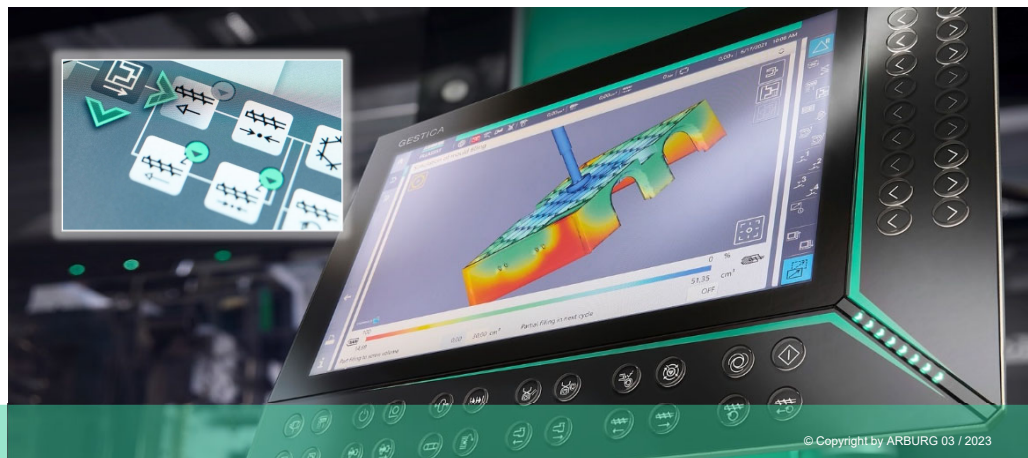
SUSTAINABILITY  
**VOLATILITY**  
BIG DATA

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**ARBURG**

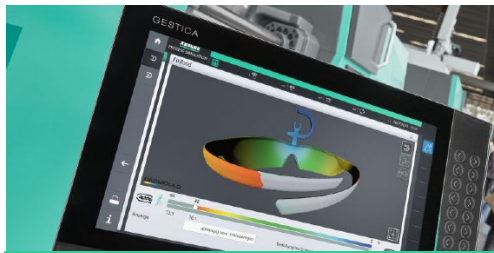
## Our control – fast, safe & easy



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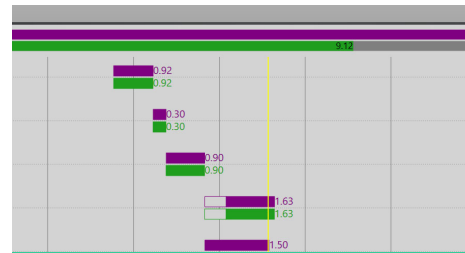
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## Our assistance systems – active support for the operator



### aXw Control FillAssist

Simulation data available directly on the controller during setup  
No prior knowledge required for simulation  
40% time savings during setup



### aXw Control CycleAssist

Shorter cycle times  
More output  
Fast and easy process optimization

## Our anniversary machine – focus on ease of operation and maintenance

Easy retrofitting

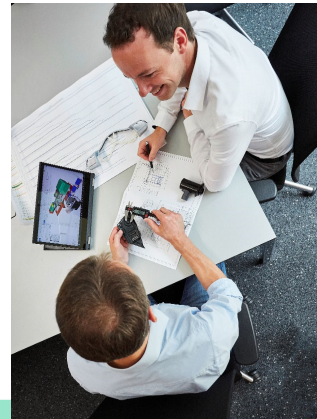
Optimized mounting locations for central lubrication, pneumatics, interfaces

Predictive Maintenance

ARBURG control system with assistance functions

Better accessibility of oil filter and connections

## Our global network – more security through on-site advice



FUTURE  
**ENERGY COSTS**  
PRODUCTIVITY

## ARBURG Portfolio

INNOVATION  
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## Our portfolio – the optimal technology for every requirement



Electric ALLROUNDERS



Hybrid ALLROUNDERS



Hydraulic ALLROUNDERS

## Our portfolio – the optimal technology for your specialties



Compact turnkey solutions

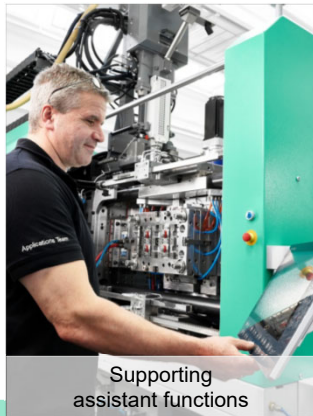


Rotary table machines



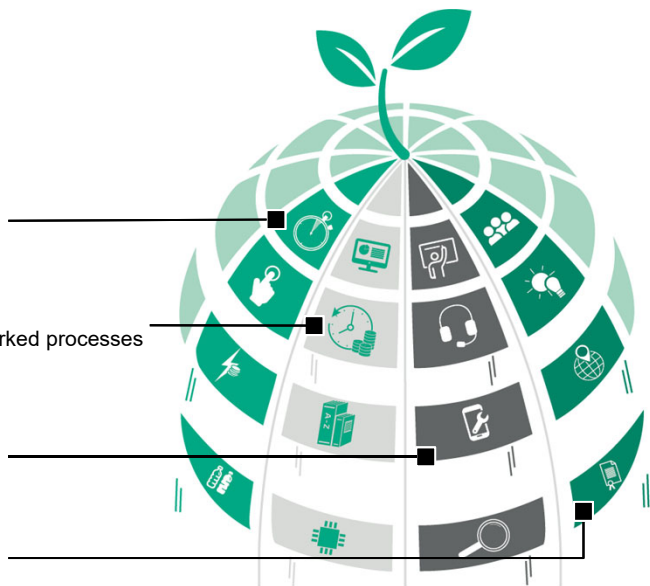
Multi-component machines

## Our offer – the best services for every requirement



## Shaping our future – to act sustainably

- **GREENmachine**  
Durable machine technology
- **GREENproduction**  
Innovative methods and networked processes
- **GREENservices**  
Services for efficient plastics processing
- **GREENenvironment**  
Measures at ARBURG



## Our strength – everything from a single source



**Expert lecture**

Holistic advice and services

**ARBURG**  
*additive*




**Expert lecture**

Industrial additive manufacturing

**AMK***motion*

MEMBER OF THE ARBURG FAMILY



**Drive technology  
Automation Arena (Hall 22)**

Powerful drive train

**ARBURG**

OPTIMIZED DESIGN  
**ENERGY EFFICIENCY**  
POWER TRAIN

**ARBURG Solutions**

POWER TRAIN  
**MACHINE TECHNOLOGY**  
PREDICTIVE MAINTENANCE

TRANSPARENCY  
**DIGITALISATION**  
USER





QUALITY KNOW-HOW  
MACHINES TECHNOLOGIES  
**THE HOME OF  
INJECTION MOULDING**  
MARKET LEADERSHIP  
PASSION VISION  
INNOVATION

**WIR SIND DA.**