

**MAGMA**

# International MAGMA User Meeting 2024

October 9-11, 2024

RADISSON BLU – Frankfurt

BE  
PART  
OF  
IT

The logo for MAGMA, featuring the word "MAGMA" in a bold, sans-serif font. The letter "G" is stylized with a red circular element around it.

# Advanced Control of Casting Speed

## Continuous Casting

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Frankfurt

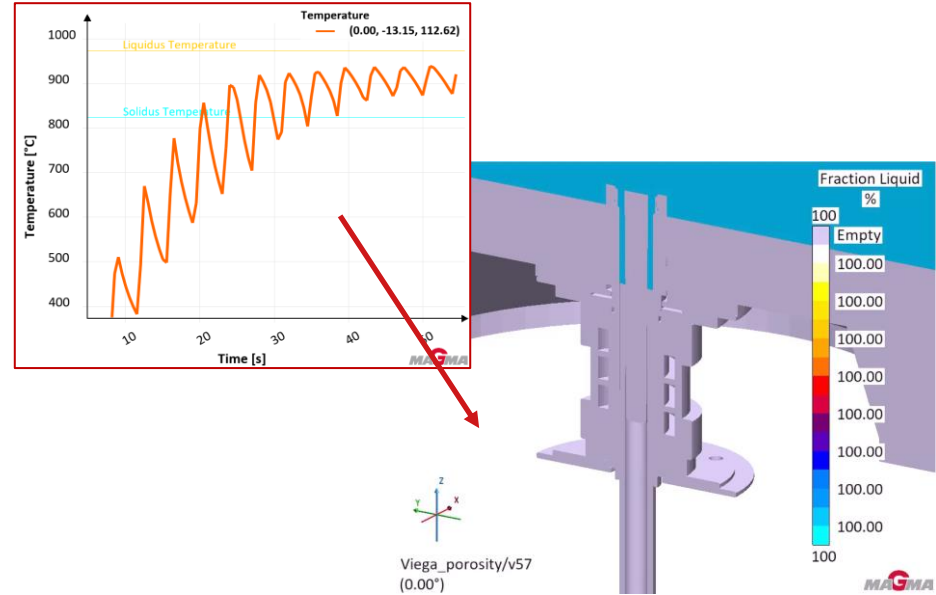
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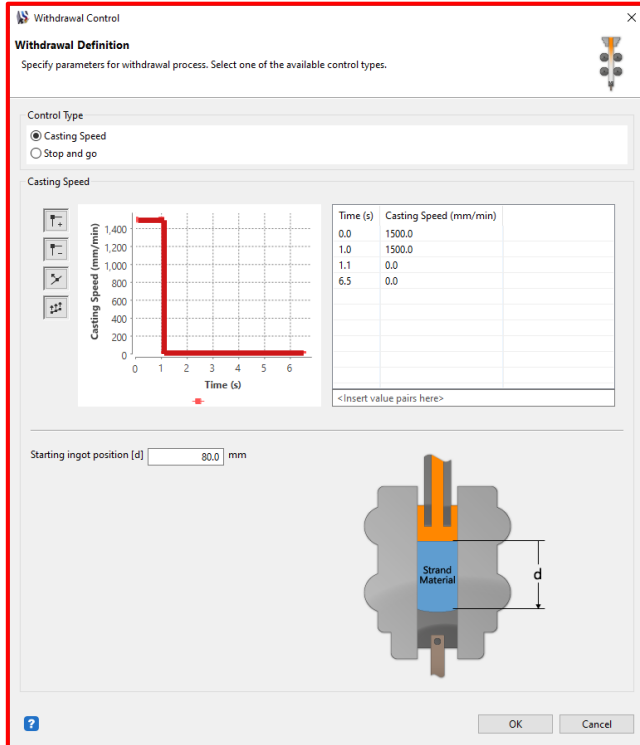


# Agenda

- Stop&Go: in the past
- Stop&Go: in MAGMASOFT® 6.1
- Live Demo



# Stop&Go in the Past



version-config.cfg

```
1 fileformat 2 sourcetype 5
2 /solver/casting/continuousCasting/stopandgo hidden true
```

# Stop&Go: New Dialog

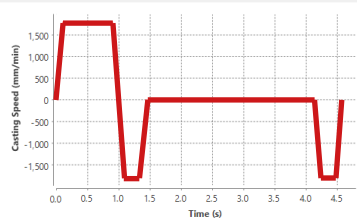
Withdrawal Control

**Withdrawal Definition**  
Specify parameters for withdrawal process. Select one of the available control types.

Control Type  
☐ Casting Speed  
☒ Stop and go

Stop and go

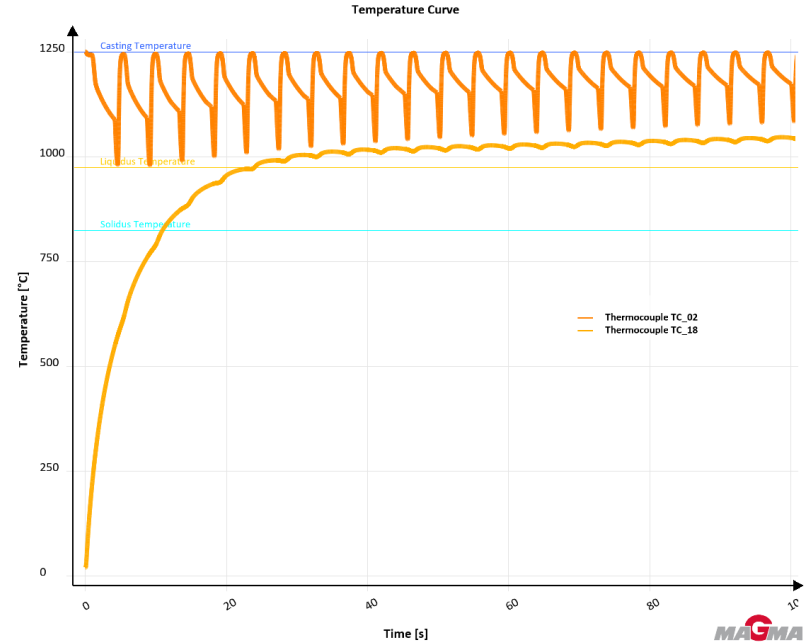
Step	Type	Value	Unit
1	Forward	27.0	mm
2	Backward	10.0	mm
3	Waiting	2.7	s
4	Backward	10.0	mm



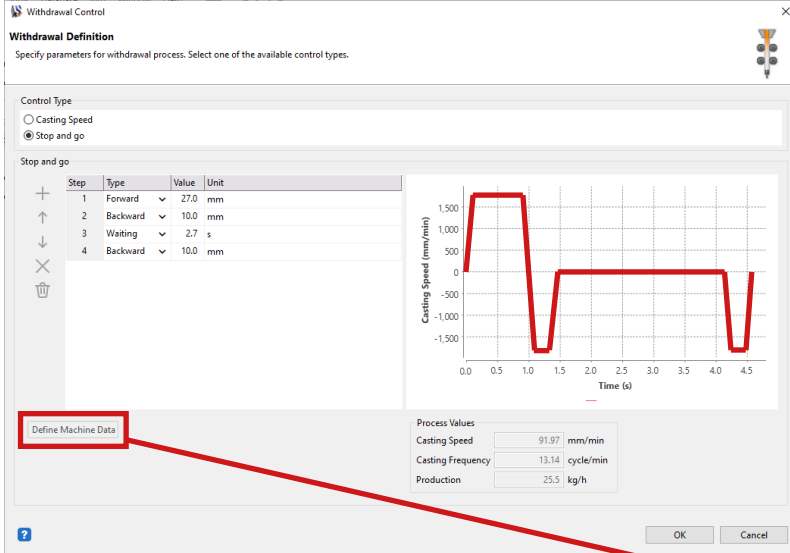
Define Machine Data

Process Values  
Casting Speed: 91.97 mm/min  
Casting Frequency: 13.14 cycle/min  
Production: 25.5 kg/h

OK Cancel



# Stop&Go: New Dialog



Machine Data Definition

**Machine Data Definition**

Define machine parameters for forward and backward process steps.

Forward

Velocity 1800.0 mm/min

Acceleration 300.0 mm/s<sup>2</sup>

Deceleration 300.0 mm/s<sup>2</sup>

Backward

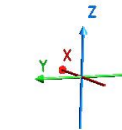
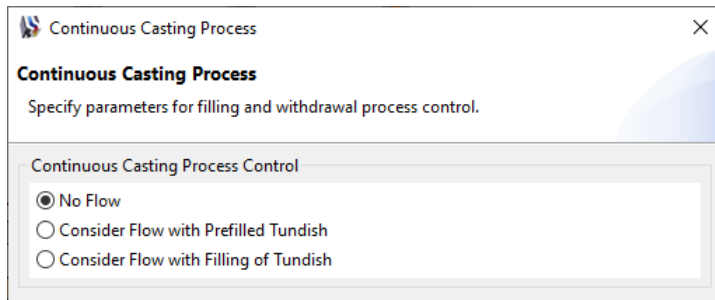
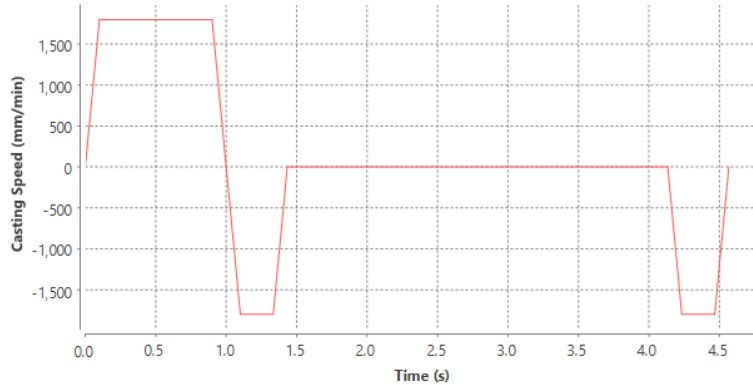
Velocity 1800.0 mm/min

Acceleration 300.0 mm/s<sup>2</sup>

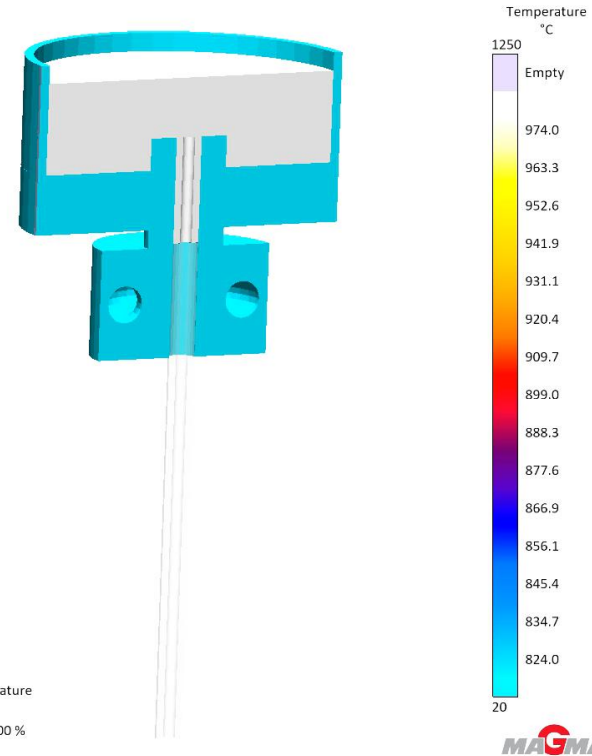
Deceleration 300.0 mm/s<sup>2</sup>

OK Cancel

# Stop&Go: New Dialog



v03  
Continuous Casting, Temperature  
0.0ms (0.00")  
Strand length: 80.00 mm, 0.00 %  
X-Ray: on





# Live Demo

# Thank you for your attention.

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