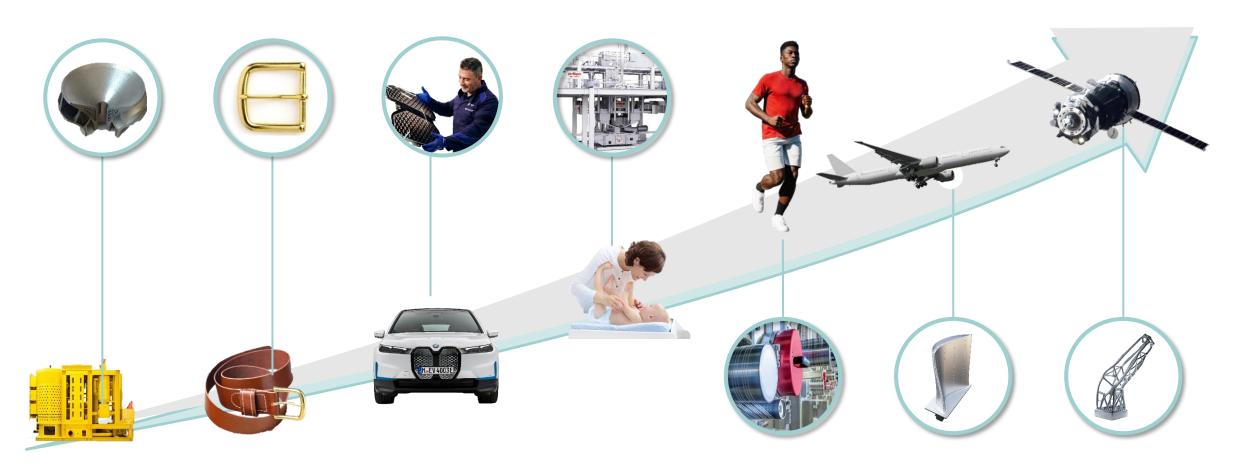


# There is not a single day without Oerlikon

### **œrlikon**

### ... to outer space



From the bottom of the ocean ...

### Industrial technology leader in sweet spots with entry barriers





#### **Surface Solutions** (48% of sales)

Integrated coating solutions based on broad technology portfolio

#### **Polymer Processing Solutions (52%)**

Equipment to process polymers used in filament and non-filament

#### #1

Market leader in coating solutions and Filament

#### >30k

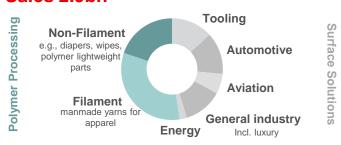
Customers incl. OEM & tier 1

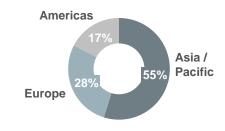
Market leader in sweet spots with technology entry barriers



# Broad market coverage

#### Sales 2.9bn

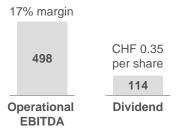


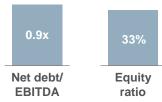


Aligned to key megatrends



# **Key financials 2022**





Robust financials and

balance sheet

Unless otherwise stated all figures in CHF m; Surface Solutions market share based on addressable markets; equity ratio based on total equity; leverage ratio based on operational EBITDA

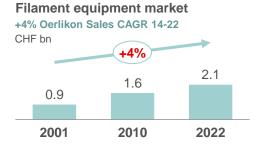
### **Growth strategy Polymer Processing Solutions**





#### 3 areas in focus

- Filament equipment market grew with 4% CAGR 01-22 driven by underlying manmade fibers market growth
- Positive mid-term outlook supported by need for energy saving machines and vertical integration of filament producers
- Short-term headwinds resulting in customers postponing orders



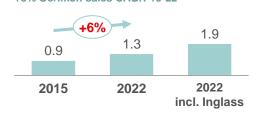


Leverage core competencies into Non-Filament

- Solid market growth; Oerlikon increased strategic focus on Non-Filament since 2015
- Expansion supported by technology synergies with Filament and opportunistic bolt-on M&A in highly fragmented markets
- Short-term impacted by customers postponing Capex decisions in some end markets

#### Non-Filament equipment market

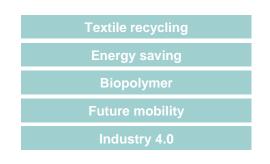
+8% Oerlikon sales CAGR 15-22





Capitalize on long-term trends

- Drive R&D to capitalize on long-term trends like textile recycling and biopolymers beyond 2025
- Supported by leveraging of machinery and process knowhow as well as market access





Mid-term growth potential p.a.; short-term impacted by headwinds

# **Growth strategy Surface Solutions**





Accelerate regional expansion

# Increasing demand for surface solutions driven by efficiency and sustainability

- Realize >20% sales upside in Americas and Asia with new regional organization
- Leverage competitive advantages of integrated offering and broad technology portfolio

>20% sales upside



Leverage core competencies into new areas

- +10% sales upside from extending technology leadership and leveraging core competencies into new growth areas
- Focus on growth opportunities in future mobility, luxury, semiconductor, cleantech and additive manufacturing industries

+10% sales upside



**Optimize portfolio** 

- Actively manage portfolio towards high-margin solutions
- Envision selective and accretive bolt-on acquisitions, opportunistically

M&A

& operational upside



Drive cost stewardship

- +300 bps upside ... 20-22% EBITDA margin target in mid-term
- Drive operating leverage based on structurally reduced cost base and continue to focus on cost efficiency

+300bps margin upside<sup>1</sup>



Mid-term growth potential p.a.; short-term impacted by macro headwinds

+5% Sales CAGR 15-19

# Mid-term ambition: 4-6% sales growth and margin upside



Surface Solutions **Polymer Processing Solutions** 

Organic sales growth

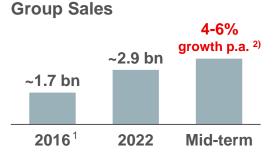




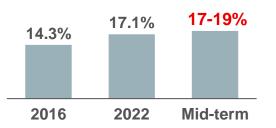
Operational EBITDA margin

**20-22%** supported by scale economies, efficiencies and portfolio optimization

**16-17%** supported by cost control and expansion into Non-Filament



#### **Operational EBITDA margin**



<sup>(1)</sup> Excluding divested Drive Systems Division; (2) Oerlikon is expecting profitable 4-6% growth in the mid-term; timing can depend on economic development of end markets



# Polymer Processing Solutions Division Overview



### Polymer Processing Solutions at a glance





Key metrics



Offering

#1

Filament market leader with 40-50% share

CHF 1.5bn Sales

16%
Operational EBITDA margin

**4'329** FTE's

Market leader for polymer processing solutions



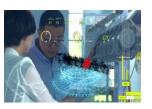
**Machines & plants** 

For polymer processing



**Components** 

Hot runner systems, pumps



**Services** 

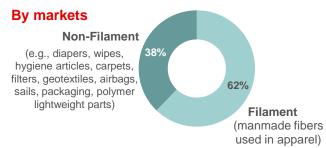
Commissioning, maintenance & repair, advisory and upgrades

Integrated high-tech offering

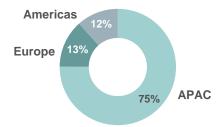


Sales split

2022



#### By geography



#### **Diversified customer base**

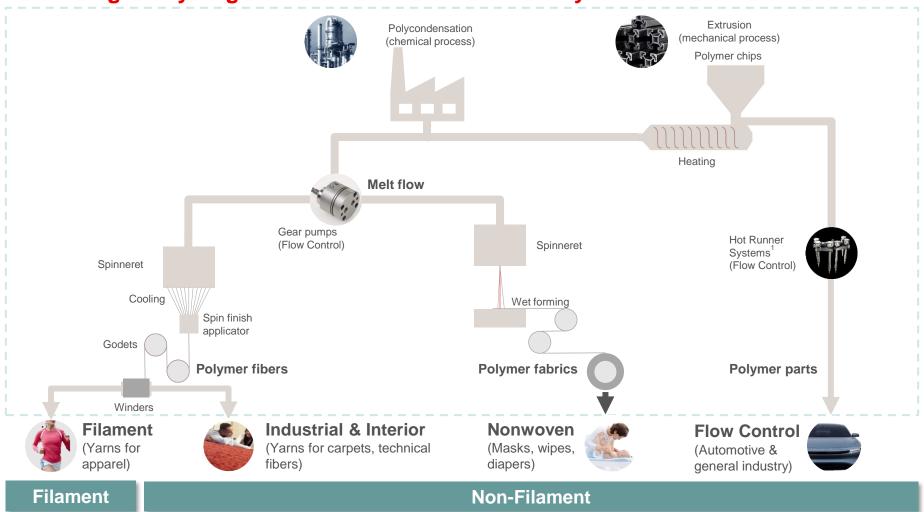
Filament: Hengli Group, Reliance Industries, Tongkun, Hengyi, ... Non-Filament: BMW, Magna, 3M, ABB, Berry, ...

Focus on Non-Filament growth and diversification

# Technological leadership drives growth



#### Technological synergies between Oerlikon machinery for Filament and Non-Filament





(1) Hot Runner Systems only go through the process of extrusion, not polycondensation

# Manmade fibers outgrowing natural fibers



#### **Growth drivers**



Population growth and affluence



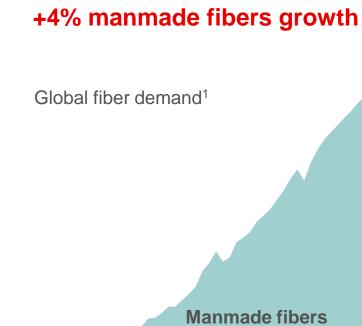
**Better availability** 



Lower resource intensity



Superior product characteristics (e.g., stretch, waterproof)





Natural fibers CAGR<sub>1980-2020</sub>: +1.4%





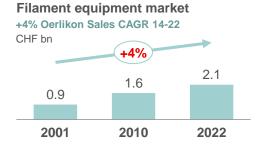
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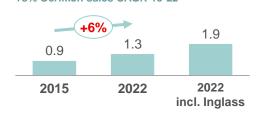


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Mid-term growth potential p.a.; short-term impacted by headwinds



# Oerlikon Surface Solutions Division Overview



# **Surface Solutions at a glance**





**Key metrics** 2022



Offering



Sales split



**Customers** 

#1

Market leader in coating solutions

CHF 1.4bn Sales

18% EBITDA margin <sup>1</sup>

**7'519** FTE's

Market leader in coating solutions



**Coating** services



Coating materials



Coating equipment



Components



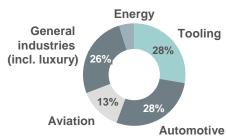
Additive manufacturing

Integrated high-tech offering





#### By industry



Global and diverse end markets

# >30k active customers including industry leaders

#### Serving top players

- 100% in Tooling
- 75% in Automotive
- 75% in Aviation
- 100% in Power Generation

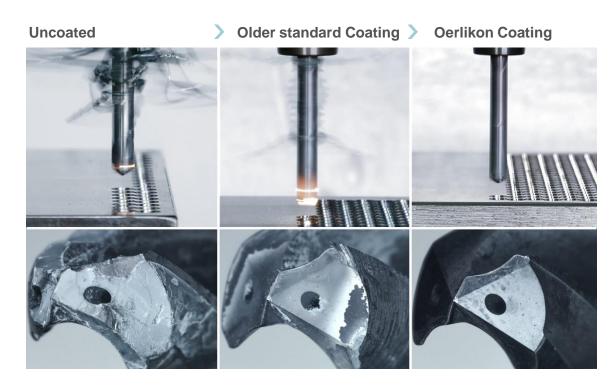
# Top 10 customers account for ~14% of sales <sup>2</sup>

Broad and stable customer base

# Coatings improve efficiency and durability, driving sustainability

### **œrlikon**

#### Oerlikon enables the modern world



#### Coatings **protect tools** after >4500 holes drilled

corrosion protection | environmental protection | strength | abrasion protection | hardness | chemical stability | conduction control | permeability control | anti-sticking | color flexibility | decorative enhancement | thermal stability | antibacterial | bio-compatibility | magnetism control | anti-reflection | easy cleaning | safety | wear resistance | insulation control | thermal protection | thermal protection | clearance control | erosion protection

#### **Unique value proposition**



160x lifetime extension of a metal tool through coating... equaling metal saving of 13.7kg per tool, which is the weight of 2 bowling balls





**5% efficiency increase** in aero turbines through coatings... equaling ~26 mt of CO<sub>2</sub> reduction annually or **80% of Swiss CO**<sub>2</sub> emissions





Coatings **enable lightweight** materials... 10% less weight extends car driving range by 5-7%...for a 650 km EV this is equivalent to a **marathon** 



# One face to the customer benefitting from integrated portfolio

**œrlikon** 

Technology leadership in materials and equipment drives profitable growth in services



#### **Coating services**

- Global network of 150+ coating centers; customer proximity and response time is key
- Pick-up and return within 1-2 days
- Bespoke solution offering
- Technologies including thermal spray and thin film



**Coating materials** 

- Manufacturing and sale of powders used in thermal spray and additive manufacturing
- New material development using Scoperta's artificial intelligence platform
- Tailored solutions to specific needs



**Coating equipment** 

- Manufacturing and sale of coating machines including thermal spray and thin film
- Largest installed base of coating machines with global coverage
- Aftermarket: spare parts and field services



#### **Components**

- Produce high-performance components
- High-end special materials knowhow: In-house competence center for coated and printed components
- Customer synergies with integrated offering



# Additive Manufacturing

- Pioneering the industrialization of additive manufacturing, in series
- Offering 3D printing services for customers in focus application areas



Coatings for polymer auto grill



Coated mold



Materials & equipment for turbine blade



Materials & equipment for landing gear



Thermal insulation system



Printed support structure for satellite radio antenna

# **Growth strategy Surface Solutions**





Accelerate regional expansion

# Increasing demand for surface solutions driven by efficiency and sustainability

- Realize >20% sales upside in Americas and Asia with new regional organization
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- Actively manage portfolio towards high-margin solutions
- Envision selective and accretive bolt-on acquisitions, opportunistically

M&A & operational

& operational upside



**Drive cost** stewardship

- +300 bps upside ... 20-22% EBITDA margin target in mid-term
- Drive operating leverage based on structurally reduced cost base and continue to focus on cost efficiency

+300bps margin upside<sup>1</sup>



Mid-term growth potential p.a.; short-term impacted by macro headwinds

+5% Sales CAGR 15-19



# **Group Strategy and ESG**



# Clear strategy to drive profitable growth





# Grow & diversify

- Outgrow markets by focusing on technology leadership and sustainable innovation
- Leverage core competencies into new growth areas organically and with accretive M&A:
   Expand Polymer Processing Solutions into Non-Filament and capture structural growth opportunities in Surface Solutions



- Apply strict cost focus and benefit from operating leverage
- Improve ROCE to double-digit
- Maintain strong balance sheet and pay stable or progressive dividend



# Drive sustainability progress

- Drive environmental and social progress at Oerlikon via operational excellence, focus on efficiency and cultural change
- Support customers in meeting their own sustainability targets: Provide ecological and economical value propositions by focusing R&D and new products on sustainability criteria

### **Profitable growth**

4-6% sales growth with 17-19% operational EBITDA margin goal in the mid-term; short-term impacted by macro headwinds

# Sustainable megatrends in both divisions driving growth



#### Oerlikon R&D on

**Energy consumption** 

Water consumption

Social impact

Waste emissions

Raw material consumption

Service time

#### Helping customers become sustainable and efficient



**160x lifetime extension** of a metal tool through coating (vs. uncoated)

Saving 13.7kg metal per coated tool, which is the **weight of 2 bowling balls** 





Coatings on aero turbine increase efficiency ~5%

Equals ~26 mt of CO<sub>2</sub> reduction annually<sup>1</sup>... ~80% of Swiss emissions





Coatings and hot runner systems **enable lightweight** materials

10% less weight extends car driving range by 5-7%...for a 650km EV this is equivalent to a marathon





Manmade fibers are **less resource intensive** than natural fibers and increasingly recyclable

A cotton t-shirt requires around 1'300l of water compared to ~8l for polymers... savings equivalent to ~9 bathtubs





~30% energy saving with new filament equipment

Annual  $CO_2$  emission savings  $^2$  of Oerlikon winders of 2.6mt... equivalent to annual gasoline consumption of ~500k cars



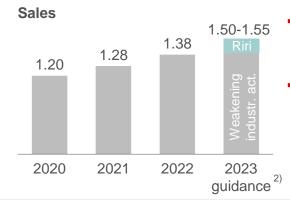
<sup>(1)</sup> Across 2019 installed base of aero engines; (2) Data per 2020 installed base for new vs. older generation of FDY on POY take-up and winding machinery

# Group sales growth of 4-6% over the medium-term





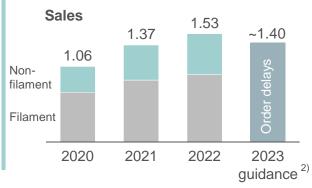
#### **Demand driven by sustainability and efficiency**



- Geographic expansion in Americas (2022: +23%) and Asia (+5%) supported by new organization
- Leveraging core competencies into new areas: e.g. industrialized new solutions for e-mobility in 2022, increased PVD penetration in semi equipment, and expanded footprint in luxury (Riri)

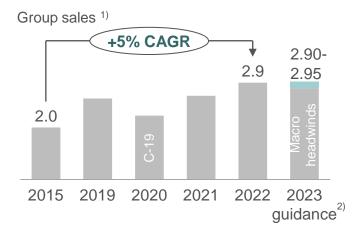
# Mid-term demand driven by rising GDP and limited alternative resources





- Leveraging core competencies into nonfilament: +16% sales growth in 2022
- Enhance leadership in filament: +9% sales growth in 2022; +4% equipment market CAGR 01-22
- **Upside** from long-term trends





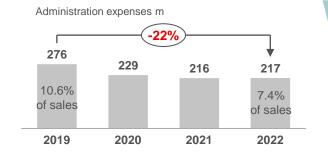
<sup>1)</sup> CAGR is FX adj. and excludes M&A; Group sales exclude the Drive Systems Division which was divested in 2019; 2) at constant FX

### Focusing on profitable growth

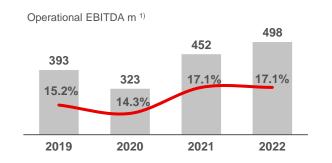




- 22% overhead savings since 2019, while generating CHF ~300m more sales
- Continued focus on efficiency and digitalization

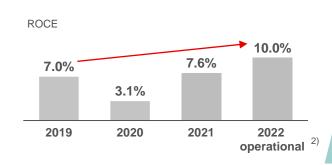


- Profitability growth
- EBITDA margins ~200 bps above 2019 levels
- Benefiting from cost control, economies of scale and portfolio optimizations



3 Driving ROCE

- ROCE improving; mid-term ambition: sustainable double-digit
- Benefit from new capital allocation framework





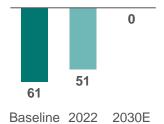


<sup>1)</sup> Discontinued inline ePD is excluded in 2022 and 2021 operational EBITDA; 2) based on operational EBIT and adj. for cash repatriation tax effect

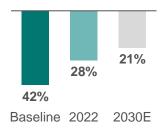
# **Progress towards 2030 ESG targets**



Reduce emissions (scope 1&2) in relevant operations to become climate neutral (k tons CO<sub>2</sub> /

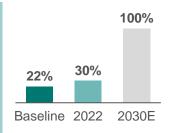


Reduce % of disposed waste

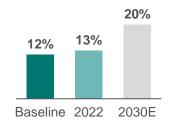


Increase % of electrical energy from **renewable** sources

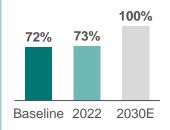
CHFm)



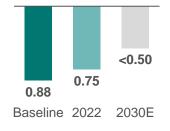
Increase % of women in management and leadership roles



Increase % R&D investment in products that must cover ESG criteria



Reduce rate of recordable work-related **injuries** (TAFR)





More information can be found in the Oerlikon Sustainability Report online

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