

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

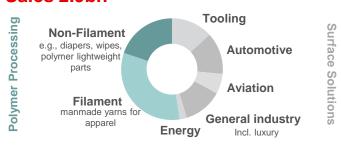
Customers incl. OEM & tier 1

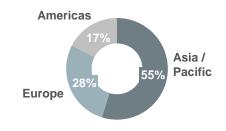
Market leader in sweet spots with technology entry barriers



Broad market coverage

Sales 2.9bn

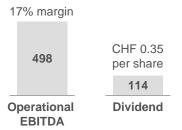




Aligned to key megatrends



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

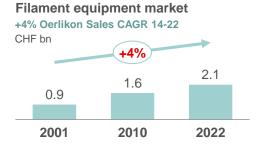
Growth strategy Polymer Processing Solutions





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



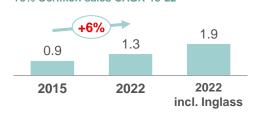


Leverage core competencies into Non-Filament

- 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

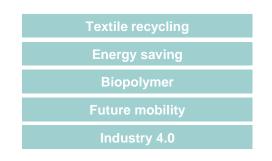
+8% Oerlikon sales CAGR 15-22





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 upside¹



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

4-6% growth p.a.

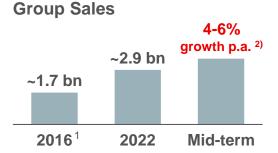


4-6% growth p.a.

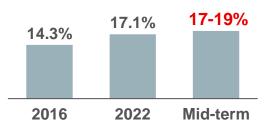
Operational EBITDA margin

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

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



Operational EBITDA margin



⁽¹⁾ 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

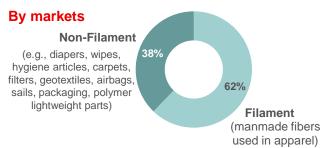
Commissioning, maintenance & repair, advisory and upgrades

Integrated high-tech offering

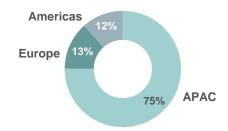


Sales split

2022



By geography



Diversified customer base

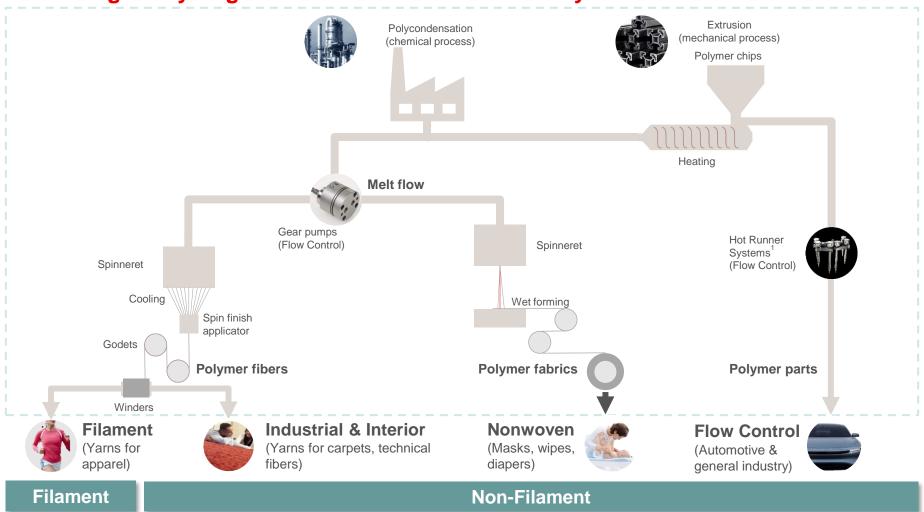
Filament: Hengli Group, Reliance Industries, Tongkun, Hengyi, ... Non-Filament: BMW, Magna, 3M, ABB, Berry, ...

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



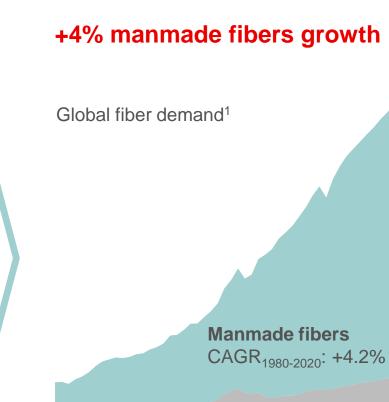
Better availability



Lower resource intensity



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





Natural fibers CAGR₁₉₈₀₋₂₀₂₀: +1.4%

1980 1990 2000 2010 2020 2030E

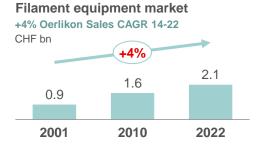
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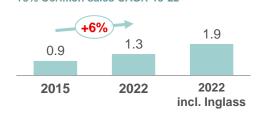


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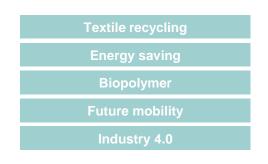
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Mid-term growth potential p.a.; short-term impacted by headwinds



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 ¹

7'519 FTE's

Market leader in coating solutions



Coating services



Coating materials



Coating equipment



Components



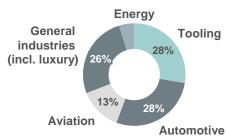
Additive manufacturing

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

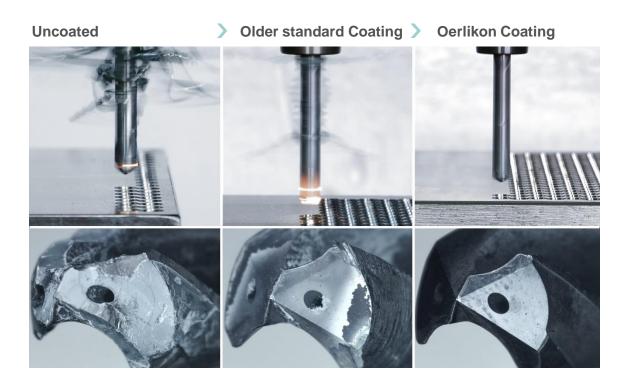
Top 10 customers account for ~14% of sales ²

Broad and stable customer base

Coatings improve efficiency and durability, driving sustainability

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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 CO₂ reduction annually or **80% of Swiss CO**₂ 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

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+300bps margin upside¹



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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**



Y

Coatings on aero turbine increase efficiency ~5%

Equals ~26 mt of CO₂ reduction annually¹... ~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



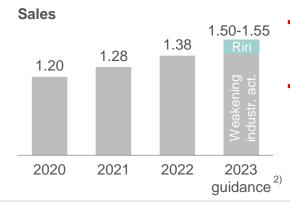
⁽¹⁾ Across 2019 installed base of aero engines; (2) Data per 2020 installed base for new vs. older generation of FDY on POY take-up and winding machinery

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





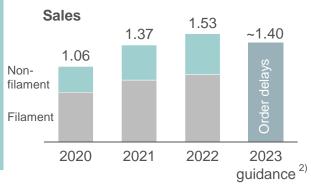
Demand driven by sustainability and efficiency



- 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)

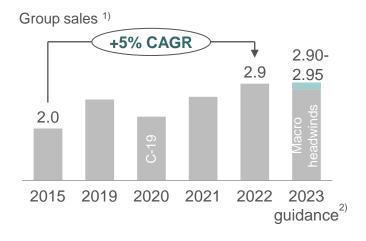
Mid-term demand driven by rising GDP and limited alternative resources





- 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





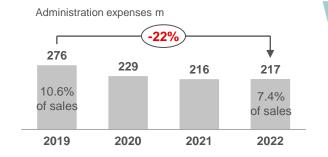
¹⁾ CAGR is FX adj. and excludes M&A; Group sales exclude the Drive Systems Division which was divested in 2019; 2) at constant FX

Focusing on profitable growth



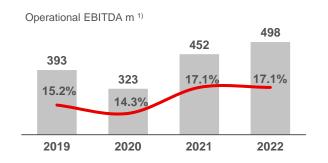
Cost efficiency

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



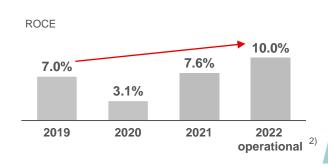
Profitability growth

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

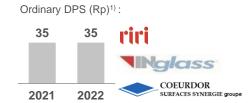


3 Driving ROCE

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



Dividends and M&A

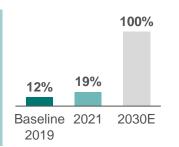


¹⁾ Discontinued inline ePD is excluded in 2022 and 2021 operational EBITDA; 2) based on operational EBIT and adj. for cash repatriation tax effect

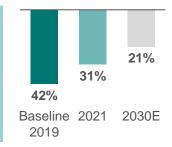
Progress towards 2030 ESG targets



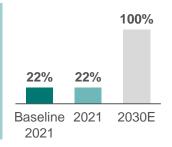
Implementing
energy
management
systems
at all relevant sites



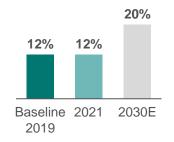
Reduce % of disposed waste



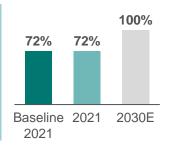
Increase % of electrical energy from **renewable** sources



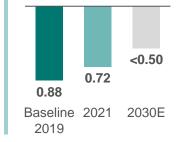
Increase % of women in management and leadership roles



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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