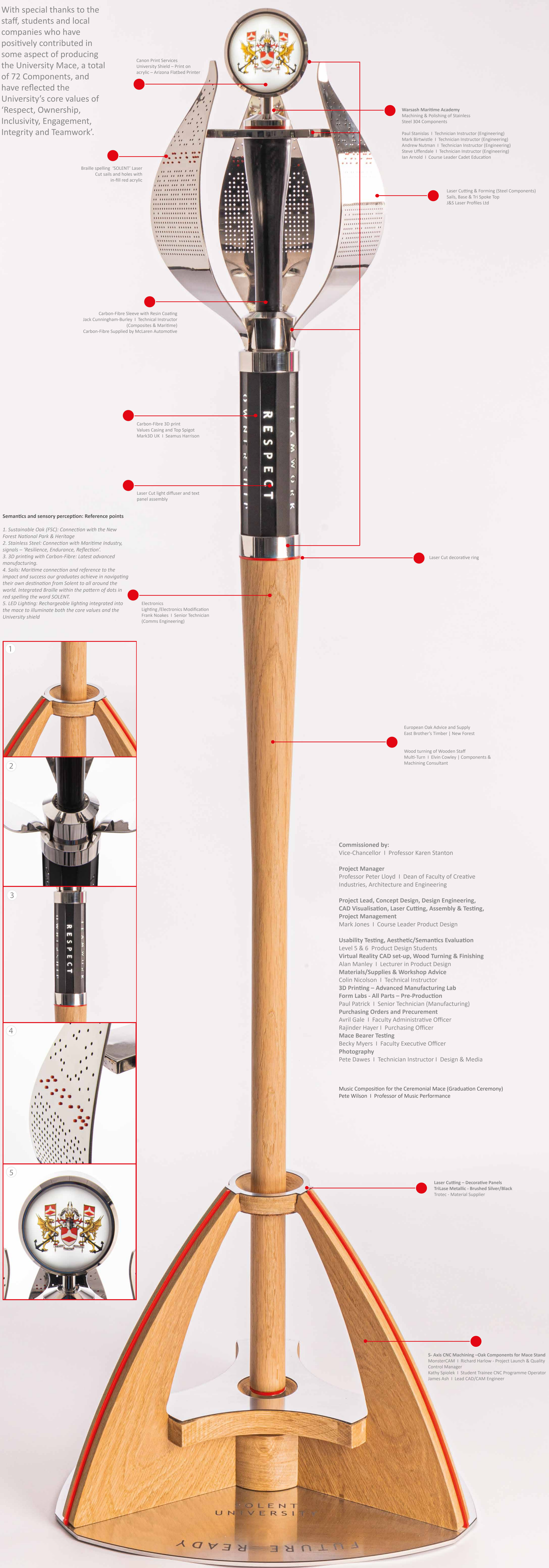


# University Ceremonial Mace

The Solent University Mace, commissioned in 2022, reflects the University's values and long history of education excellence since 1855. The Mace is carried by the mace bearer in front of the academic procession at the annual graduation ceremony.



With special thanks to the staff, students and local companies who have positively contributed in some aspect of producing the University Mace, a total of 72 Components, and have reflected the University's core values of 'Respect, Ownership, Inclusivity, Engagement, Integrity and Teamwork'.



- Canon Print Services  
University Shield – Print on acrylic – Arizona Flatbed Printer
- Warsash Maritime Academy  
Machining & Polishing of Stainless Steel 304 Components
- Paul Stanislas | Technician Instructor (Engineering)  
Mark Birtwistle | Technician Instructor (Engineering)  
Andrew Nutman | Technician Instructor (Engineering)  
Steve Uffendale | Technician Instructor (Engineering)  
Ian Arnold | Course Leader Cadet Education
- Braille spelling 'SOLENT' Laser Cut sails and holes with in-fill red acrylic
- Laser Cutting & Forming (Steel Components)  
Sails, Base & Tri Spoke Top  
J&S Laser Profiles Ltd
- Carbon-Fibre Sleeve with Resin Coating  
Jack Cunningham-Burley | Technical Instructor (Composites & Maritime)  
Carbon-Fibre Supplied by McLaren Automotive
- Carbon-Fibre 3D print  
Values Casing and Top Spigot  
Mark3D UK | Seamus Harrison
- Laser Cut light diffuser and text panel assembly
- Laser Cut decorative ring
- European Oak Advice and Supply  
East Brother's Timber | New Forest
- Wood turning of Wooden Staff  
Multi-Turn | Elvin Cowley | Components & Machining Consultant
- Electronics  
Lighting /Electronics Modification  
Frank Noakes | Senior Technician (Comms Engineering)
- Laser Cutting – Decorative Panels  
TriLase Metallic - Brushed Silver/Black  
Trotec - Material Supplier

### Semantics and sensory perception: Reference points

1. Sustainable Oak (FSC): Connection with the New Forest National Park & Heritage
2. Stainless Steel: Connection with Maritime Industry, signals – 'Resilience, Endurance, Reflection'.
3. 3D printing with Carbon-Fibre: Latest advanced manufacturing.
4. Sails: Maritime connection and reference to the impact and success our graduates achieve in navigating their own destination from Solent to all around the world. Integrated Braille within the pattern of dots in red spelling the word SOLENT.
5. LED Lighting: Rechargeable lighting integrated into the mace to illuminate both the core values and the University shield



**Commissioned by:**  
Vice-Chancellor | Professor Karen Stanton

**Project Manager**  
Professor Peter Lloyd | Dean of Faculty of Creative Industries, Architecture and Engineering

**Project Lead, Concept Design, Design Engineering, CAD Visualisation, Laser Cutting, Assembly & Testing, Project Management**  
Mark Jones | Course Leader Product Design

**Usability Testing, Aesthetic/Semantics Evaluation**  
Level 5 & 6 Product Design Students

**Virtual Reality CAD set-up, Wood Turning & Finishing**  
Alan Manley | Lecturer in Product Design

**Materials/Supplies & Workshop Advice**  
Colin Nicolson | Technical Instructor

**3D Printing – Advanced Manufacturing Lab**  
**Form Labs - All Parts – Pre-Production**  
Paul Patrick | Senior Technician (Manufacturing)

**Purchasing Orders and Procurement**  
Avril Gale | Faculty Administrative Officer  
Rajinder Hayer | Purchasing Officer

**Mace Bearer Testing**  
Becky Myers | Faculty Executive Officer

**Photography**  
Pete Dawes | Technician Instructor | Design & Media

**Music Composition for the Ceremonial Mace (Graduation Ceremony)**  
Pete Wilson | Professor of Music Performance

**5- Axis CNC Machining –Oak Components for Mace Stand**  
MonsterCAM | Richard Harlow - Project Launch & Quality Control Manager  
Kathy Spiolek | Student Trainee CNC Programme Operator  
James Ash | Lead CAD/CAM Engineer

SOLENT UNIVERSITY  
FUTURE READY