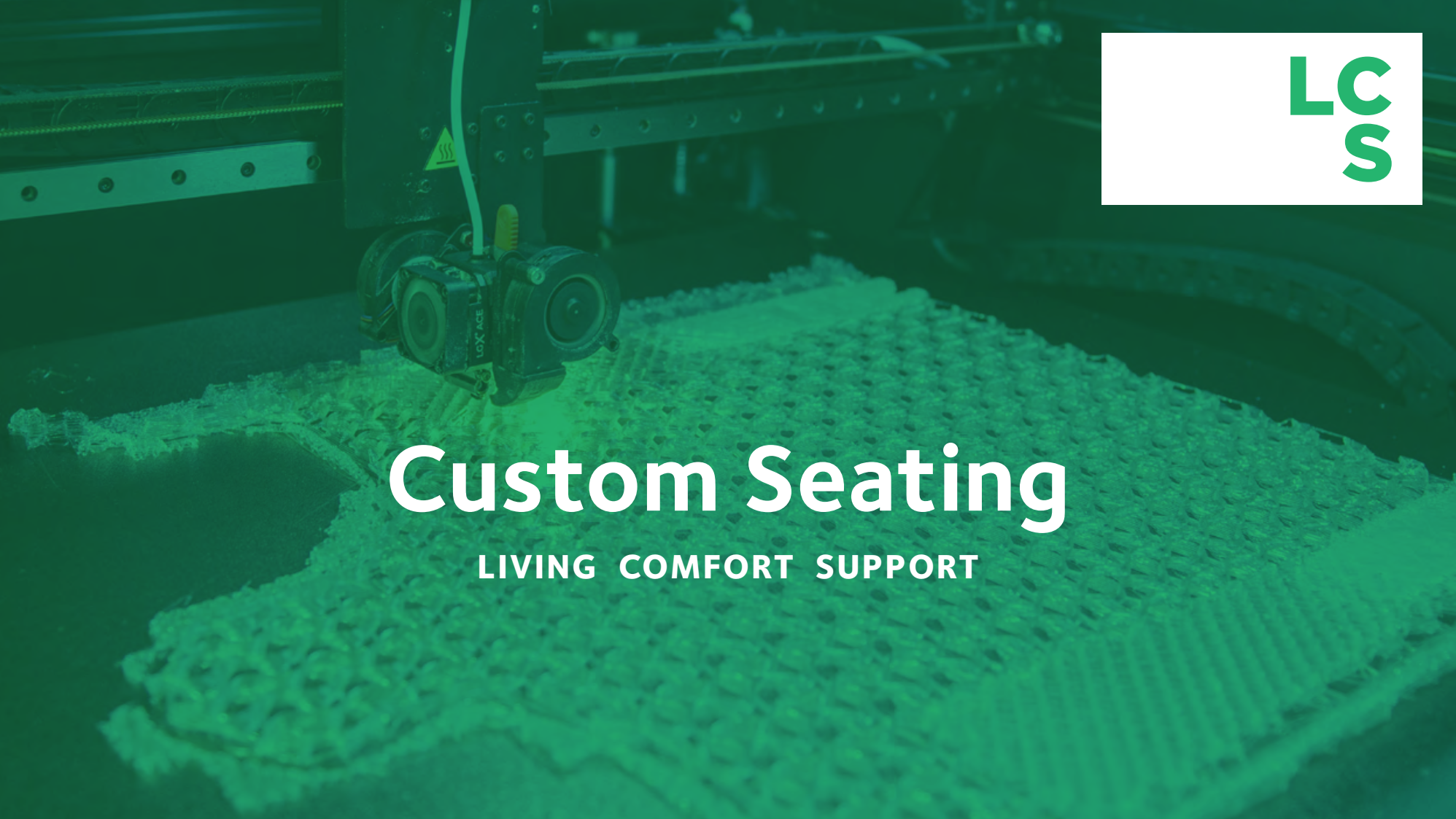


Custom Seating

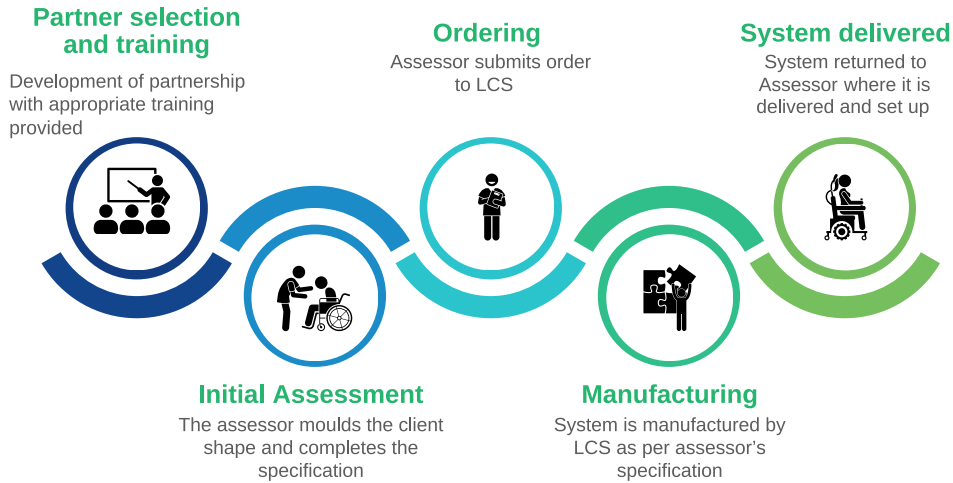
LIVING COMFORT SUPPORT



Who are LCS?

LCS Ltd was founded in 2008 by Rehabilitation Engineer and Seating Specialist, Luke Conway. Our main focus has always been to provide custom seating through a bespoke service that caters to specific needs of the client. In recent years we have developed our own innovative solutions, including:

- Full 3D-printed seating systems
- The acquisition and relaunch of the WheelAir ventilation system
- The development of the ReShell modular interface shell



LCS









Custom Seating Solutions

LCS Ltd is Ireland's leading supplier and manufacturer of quality, custom-made seating solutions for wheelchair users.

We have spent years developing and refining our simple and accurate six-step LCS Moulding Approach. This approach assists assessors in achieving the correct mould for their client, designed to deliver the right fit at the right time.

Following the expansion of our production facility, investment in cutting-edge machinery and software, we have streamlined the process, delivering more accurate results. We are now working with select dealers, who have the skillset and desire to deliver quality custom seating to clients in their market.



RESHELL



CFS



MSI



3D-PRINTED



WheelAir

RESHELL

by LCS



A Modular Interface Shell for Custom Wheelchair Seating

The only modular interface system on the market, designed to accommodate all forms of custom seating, including:

- Carved Foam Seating (CFS)
- 3D-Printed
- Moulded Seat Insert (MSI)
- Hybrid Systems of the the above

Resizable. Reusable. Recyclable.

ReShell builds on the existing functionalities of traditional one or two-piece shell systems, while it's modular design allows for real-time adjustments in the field. Crash tested, MDR and CE compliant, ReShell can be resized, reused and recycled. The system fits a wide range of manual and powered wheelchairs. The intuitively designed ReShell allows for secondary components to be mounted to the client's needs.



CARVED FOAM SEATING (CFS)

by LCS



Bespoke Support, Comfort and Pressure Relief

Sculpted to match each user's unique posture and anatomy, our CFS systems are contoured precisely to their shape for ultimate support, comfort and pressure relief. Lightweight yet durable, CFS combines clinical precision with everyday comfort to help users move through life with confidence and ease.

LCS have a range of foam densities that will suit your client's needs. The shape is cut using our six-axis CNC Machine (Milly). Pressure relief can be fitted as required. The foam is treated with a water-resistant coating and custom covers are manufactured to fit the surface shape.

CFS system can be used with:

- Manual chairs
- Power chairs
- Comfort chairs
- Lying support for use in bed.



MOULDED SEAT INSERT (MSI)

by LCS



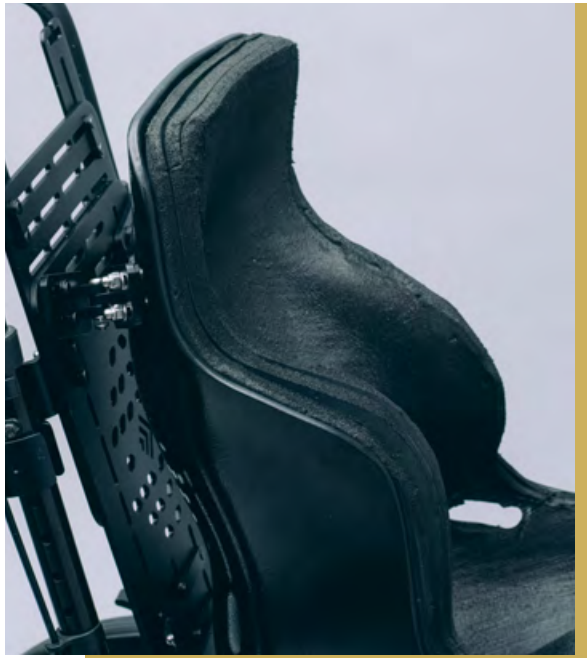
Durable and Easy to Integrate

MSI systems deliver a precise, anatomically shaped fit that promotes ideal posture and long-term comfort. Designed from detailed body impressions or scans, they offer superior pressure distribution, stability, and support for complex seating needs. Durable and easy to integrate into existing wheelchair frames, these inserts provide a seamless blend of clinical effectiveness and everyday usability.

Layers of foam are heated, draped over and formed to the shape. A plastic layer is then formed over the foam. Pressure relief is fitted as required and custom covers are manufactured to fit the surface shape.

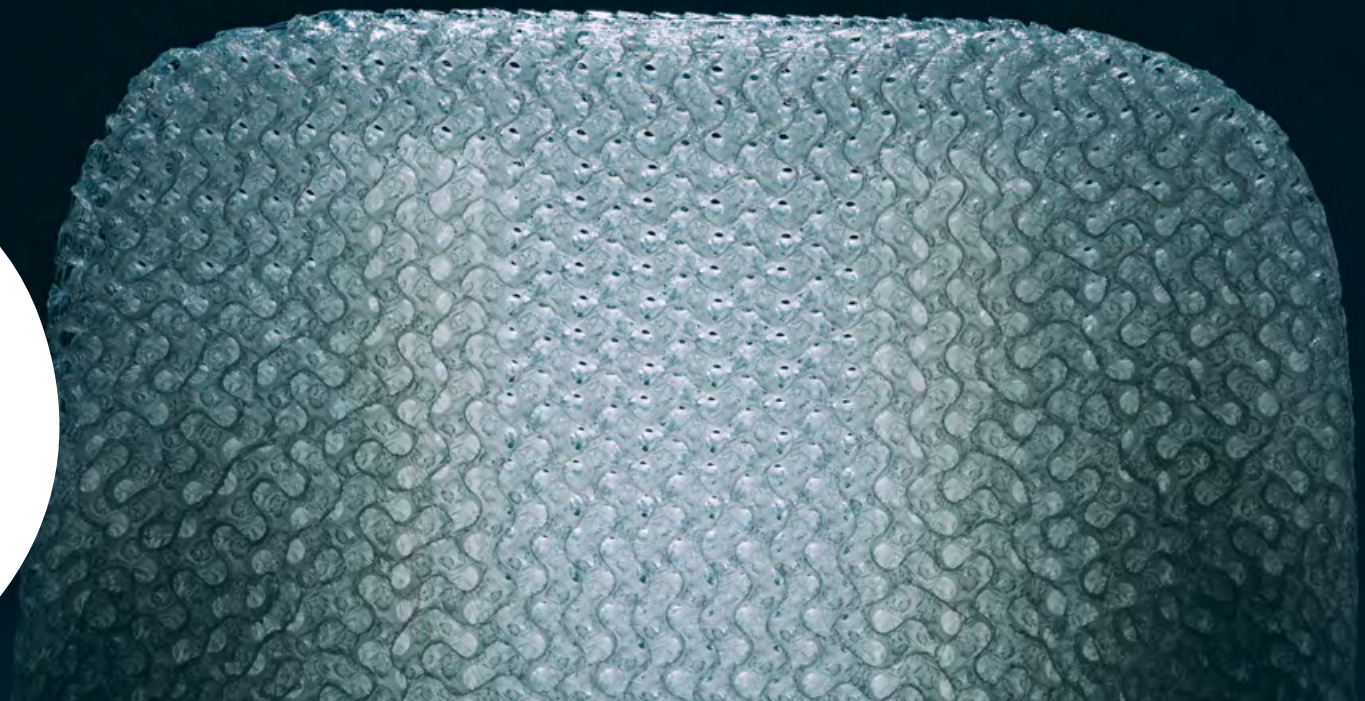
MSI can be used with:

- Manual chairs
- Power chairs
- Buggies
- Shower | Toilet | Bath seats



3D-PRINTED
SEATING

by LCS



Breathable

Hygienic

Programmable

A Revolutionary New 3D-printed Custom Cushion

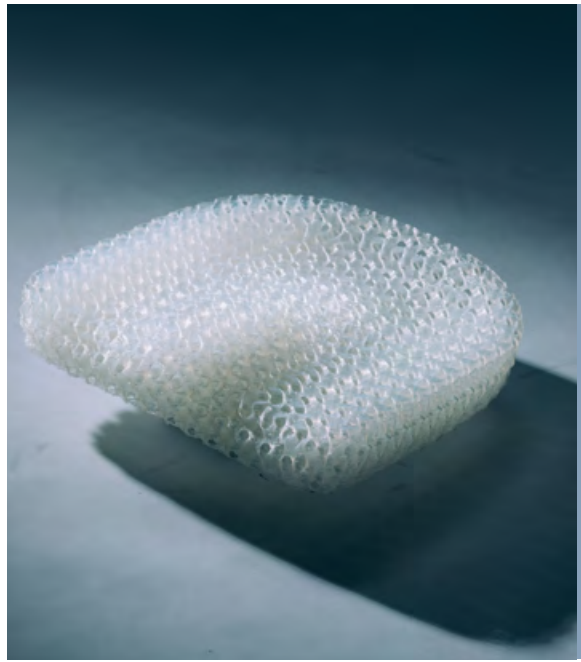
The gyroid structure of our 3D-printed seating allows heat and moisture to be drawn away from the skin. When paired with WheelAir, an active airflow, provides a cooling effect for the user.

Tested to ISO standards, the WheelAir Cushion can reduce relative humidity down to 38% and seated interface temperature as low as 31.6°C.

Programmable Foam® is not a replacement for traditional foam, but an alternative with the unique ability to create variable density zones to fit the user's pressure and positional needs.

Why choose 3D-print?

- Hygiene – Machine washable up to 60°C
- Pressure Relief – Variable Density Zones
- Lightweight – Zero Waste TPU Material
- Breathability – Active Airflow (Enhanced by WheelAir)
- Tested and Certified – Meets ISO Standards



WheelAir

by LCS



Experience Active Airflow

Wireless Remote

27 Hour Battery Life

USB-C Chargeable

6 Cooling Settings

Low Noise

Durable

The WheelAir system is the first temperature and moisture control system designed to fit any wheelchair. The system delivers active air circulation through the seat and backrest, keeping users cool, dry, and comfortable throughout the day.

WheelAir offers:

- Discreet, lightweight performance without compromising style or mobility.
- Reduced heat and moisture build-up to protect skin integrity.
- Minimised fatigue, and an overall improvement to well-being.

Backed by clinical insight and user feedback, it's a game-changing solution for comfort in any climate. WheelAir can be fitted to all of our custom seating offerings.



Seat Covers

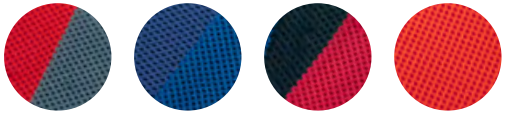
Terry Towelling



Soft Knit



Spacer



Dartex



Vinyl



Tailored to the seat's exact shape, our seat covers fit perfectly and can be customised in a variety of colours and materials to match specific needs and preferences. Designed with both form and function in mind, they offer a sleek and modern look while being breathable and machine washable.

Available materials:

- Terry Towelling – soft, absorbent, and durable
- Soft Knit – smooth, flexible, and comfortable
- Spacer – lightweight, breathable, and cushioned
- Dartex – water-resistant, wipe-clean, and long-lasting
- Vinyl – durable, easy to clean, and resistant to spills





Compliance

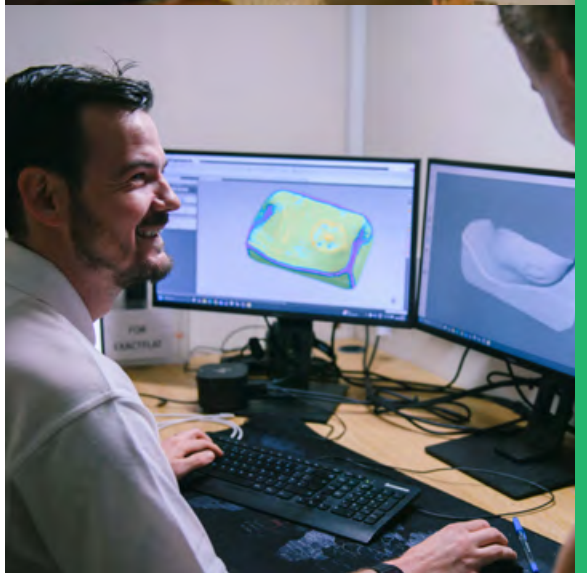
All LCS custom seating meets the following safety standards:

- **Medical Device Regulation (MDR) Compliant** – Our seating meets the requirements of the EU Medical Device Regulation (MDR 2017/745), ensuring they are safe, high-quality medical devices suitable for clinical use.
- **UKCA Marked** – Fully compliant with UK Conformity Assessed (UKCA) standards – required for sale and use in Great Britain post-Brexit.
- **Fire Safety** – All LCS cushions are tested to leading fire safety standards:

  CRIB 5 (BS 5852) | EN 1021-1/2 | ISO 7176-16

- **Skin Contact & Bio-compatibility** – Materials are tested for long-term skin contact and meet bio-compatibility standards to avoid irritation or reaction.







Let’s Work Together

We’d like to invite you to set up a discovery call to better understand your goals and core strengths. Take the next step and enter the world of custom seating with a modular twist. Develop a strong collaborative partnership to meet your client’s needs.

Join our dealer network and receive:

- Training & education in our shape capture and moulding process
- Demo stock and scanning equipment for shape capture
- Access to dealer pricing

We look forward to working with you.







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