

ISO/TR 42505:2026-07 (E)

Sharing economy - Shared manufacturing - Concepts and models

Contents	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Concepts of shared manufacturing	2
4.1 Vocabulary related to shared manufacturing	2
4.1.1 Shared manufacturing	2
4.1.2 Collaborative manufacturing	2
4.1.3 Co-manufacturing	2
4.1.4 Cloud manufacturing	2
4.2 Connection and difference among the related vocabularies	2
4.2.1 General	2
4.2.2 Connection	3
4.2.3 Difference	3
5 Characteristics of shared manufacturing	3
5.1 General	3
5.2 Digital platform-based operation	4
5.3 Highly openness and dynamicity	4
5.4 Multi-party collaboration	4
5.5 Shared usage rights	4
5.6 Efficient utilization of resources	5
5.7 Diversity and accessibility of shared resources	5
5.8 Service oriented and demand oriented	5
6 Models of shared manufacturing	5
6.1 Basic framework	5
6.2 General model	6
6.3 Overview of cases	6
6.4 Manufacturing resource sharing model	7
6.4.1 General	7
6.4.2 Key features	7
6.4.3 Cases	7
6.5 Manufacturing capability sharing model	8
6.5.1 General	8
6.5.2 Key features	8
6.5.3 Cases	8
6.6 Innovation capability sharing model	10
6.6.1 General	10
6.6.2 Key features	10
6.6.3 Cases	11
6.7 Service capability sharing model	11
6.7.1 General	11
6.7.2 Key features	12
6.7.3 Cases	12

7	Intellectual property management in shared manufacturing	13
7.1	General	13
7.2	Principles	13
7.2.1	Clear ownership	13
7.2.2	Confidentiality and non-disclosure	13
7.2.3	Licensing and usage agreements	13
7.2.4	Intellectual property protection mechanisms	13
7.2.5	Dispute resolution	13
7.2.6	Continuous innovation and collaboration	13
Annex A (informative)	Producing standard products and non-standard products in shared manufacturing	14
Bibliography		16