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**Digital workshop-General requirements for planar buffer
storage system**

数字化车间 平面式缓存储料系统通用要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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1 Scope

This document specifies the system architecture, functional requirements, performance requirements, safety and maintenance of the digital workshop flat buffer storage system. Maintenance requirements.

This document applies to the design, construction and application of planar buffer storage systems.

2 Normative references

GB/T 4208-2017

GB/T 5226.1-2019

GB 15760-2004

GB/T 37393-2019

GB/T 38177-2019

GB/T 41255-2022

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 digital workshopdigital workshop

Based on the process and equipment required by the production object, using information technology, automation, measurement and control technology as a means, using data to connect the workshop The same unit is the implementation unit that plans, manages, diagnoses and optimizes the workshop operation process.

[Source. GB/T 37393-2019, 3.3]

3.2 production line

A line of equipment dedicated to producing a specific quantity of a product or product line.

[Source. GB/T 37413-2019, 3.4]

3.3 Material

It covers all physical objects used for turnover in the workshop.

Note. Materials include complete sets of materials, workpiece blanks, cutting tools, fixtures, measuring tools, auxiliary tools, process documents, production drawings, production record cards, etc.

[Source. GB/T 37413-2019, 4.4.5]

3.4 Planar buffer storage system

A flat structure system for buffering, storing and conveying materials.