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JAPANESE INDUSTRIAL STANDARD

Glossary of Terms used in Plotters Technical Drawing — Numerically Controlled Drafting Machines

JIS B 3410—1990



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Glossary of terms used in plotters technical drawing B 3410-1990
- numerically controlled drafting machines

1. Scope

This Japanese Industrial Standard specifies the main terms relating to plotters which are the numerically controlled draughting machines to be used mainly in the mechanical industry, methods of reading thereof and definitions.

2. Classification

The classification of terms shall be in accordance with the followings:

- (1) Plotters in general
- (2) Types of plotters
- (3) Draughting equipment
- (4) Draughting media
- (5) Specifications

3. Numbers, terms, methods of reading and definitions

Numbers, terms, methods of reading and definitions shall be in accordance with the following. Furthermore, equivalent English is given for informative reference.

- Remarks
1. The number shall be expressed by the digits of 3 figures. The digit of the first place shall mean the division of this Standard of the same classification, the next digits of 2 places shall be the consecutive number in the same division.
 2. The method of reading of a term shall be indicated by "HIRAGANA" in () at the underside of the term. However, in the case where a term is composed of English words, and of which method of reading is the same as the method of reading of each English word, no "HIRAGANA" shall be used.
 3. The words being underlined in a sentence shall indicate that these are the terms specified in this Standard.

(1) Plotter in general

No.	Terms (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	
101	プロッタ. 数値制御製図機械 (すうちせいいぎよせ いずきかい)	PUROTTA, SŪCHI SEIGYO SEIZU KIKAI	That machine which draughts the output from a computer for producing technical drawings. Remarks: Usually, this is also called as a NC draughting machine.	plotter, numerically con- trolled draughting machine	
102	電子機械式プロッタ (でんしきかいしき)	DENSHI KIKAI- SHIKI PUROTTA	A plotter which produces a drawing by a draughting tool which travels relative to a draughting media.	electromechanical plotter	

(2) Types of plotters

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	
201	ドラムプロッタ	DORAMU PUROTTA	That plotter which produces a drawing by the combined action of the following (See Attached Fig. 1). (a) The draughting tool travels on one of the co-ordinates. (b) The draughting media being fixed to the drum surface rotates.	drum plotter	

No.	Terms (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	
202	フラットベッドプロッタ	HURATTO BEDDO PUROTTA	That type of <u>plotter</u> which produces a drawing on the <u>draughting media</u> being fixed on a flat plane (See Attached Fig. 2). Remarks: There shall be no restriction on the presence of the travelling of <u>draughting media</u> .	flat-bed plotter	
203	フリクションドライブ プロッタ	FURIKKUSHON DORAIBU PUROTTA	That plotter which produces a drawing by the combined action of the following: (a) A <u>draughting tool</u> travels on one of the <u>co-ordinates</u> . (b) The <u>draughting media</u> travels by friction along another co-ordinate.	friction-drive plotter	
204	ベルトベッドプロッタ	BERUTO BEDDO PUROTTA	The plotter which produces a drawing by the combined action of the following: (a) A <u>draughting tool</u> travels on one of the <u>co-ordinates</u> . (b) The <u>draughting media</u> being fixed on the belt surface travels.	belt-bed plotter	
205	インクジェットプロッタ	INKU JIETSUTO PUROTTA	That <u>plotter</u> which produces a drawing by ejecting liquid onto the <u>draughting media</u> .	ink jet plotter	
206	静電プロッタ (せいでん)	SEIDEN PUROTTA	That plotter which produces a drawing by putting electrical charges onto <u>draughting media</u> (See Attached Fig. 3).	electrostatic plotter	