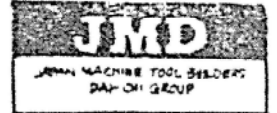


HITACHI SEIKI



Model **3NE-300**
Turning Center
Programming Manual
(FANUC SYSTEM - 6T)

Metric Dimension 7-1980

SEIKI

Hitachi Seiki Co., Ltd.

CONTENTS

Introduction

1. Preparation of tool layout sheet	1 - 1
1-1 Machining stroke	1 - 1
1-2 Limit imposed on the machining range	1 - 4
1-3 Cutting tools and machining requirements	1 - 8
2. Programming	2 - 1
2-1 A list of the G, F, S, T and M function	2 - 1
2-2 Details of the G, F, S, T and M function	2 - 6
2-3 Method of cutting threads	2 - 81
2-4 Method of calculating the amount of offset for the nose radius of a tool when the nose radius offset function is not applied	2 - 112
2-5 Method of calculating the amount to be compensated for on the basis of the radius of the cutter nose	2 - 114

CONTENTS

3. Machining	3 - 1
3-1 Preparation for operation	3 - 1
3-2 Tool setup and precautions	3 - 1
3-3 Soft jaws	3 - 4
3-4 Tailstock	3 - 10
3-5 Tool offset	3 - 15
3-6 Automatic cycle	3 - 34
3-7 Handling of the MDI & DPL panel with CRT character display	3 - 38
4. Programming Example	4 - 1
4-1 Precautions when programming	4 - 1
4-2 Example of tool layout and programming	4 - 7
5. Attached Tables	5 - 1
5-1 N/C unit (6T)	5 - 1
5-2 N/C uni alarm table	5 - 4
6. Tooling System	6 - 1