ERD Diagram of DAIKIN FACTORY

Factory

Factory_ID PK	string
Factory_Name	string
Location	string
Established_Date	date
Production_Capacity	number
Operational_Hours	string
Number_of_Employees	number

"contains"

Department

Department_ID PK	string
Factory_ID FK	string
Department_Name	string
Manager_ID FK	string

"has"

"includes"

Employee

Employee_ID PK	string
Name	string
Designation	string
Department_ID FK	string
Joining_Date	date
Training_Status	string

Assembly_Line

Line_ID PK	string
Department_ID FK	string
Line_Name	string
Product_Type	string
Current_Status	string

"undergoes"

"handles"

Training

Training_ID PK	string
Employee_ID FK	string
Training_Type	string
Training_Date	date
Completion_Status	string

Process

Process_ID PK	string
Line_ID FK	string
Process_Name	string
Start_Time	datetime
End_Time	datetime

"conducts"

"produces"

"undergoes"

Product

Product_ID PK	string
Product_Name	string
Product_Type	string
Assembly_Line FK	string
Manufacturing_Date	date

"created with"

Testing

Test_ID PK	string
Product_ID FK	string
Test_Type	string
Test_Date	date
Result	string
Tested_By FK	string

Material

Material_ID PK	string
Material_Name	string
Supplier_ID FK	string
Quantity	number
Unit_Cost	number
Quality_Check_Status	string

"results in"

"provided by"

Supplier

Supplier_ID PK	string
Supplier_Name	string
Contact_Info	string

Finished_Goods

Finished_Goods_ID PK	string
Product_ID FK	string
Storage_Area	string
Dispatch_Status	string
Warehouse_Location	string
Distribution_Status	string