ManufacturingFact

Field Name	Data Type
AcceptedProducts	Int
RejectedProducts	Int
ElapsedTimeForManufacture	Decimal(6,2)
DateOfManufacture	DateTime
ProductCode (FK)	Int
BatchNumber (FK)	Int
MachineNumber (FK)	Int

DimBatch

Field Name	Data Type
BatchNumber (PK)	Int
BatchName	Nvarchar(50)

DimMachine

Field Name	Data Type
MachineNumber (PK)	Int
MachineName	Nvarchar(50)
MachineType (FK)	Nvarchar(30)
PlantNumber (FK)	Int
Manufacturer	Nvarchar(50)
DateOfPurchase	Datetime

DimProduct

Field Name	Data Type
ProductCode (PK)	Int
ProductName	Nvarchar(50)
ProductSubtypeCode (FK)	Int

DimProductSubtype

Field Name	Data Type
ProductSubtypeCode (PK)	Int
ProductSubtypeName	Nvarchar(50)
ProductTypeCode (FK)	Int

DimMachineType

Field Name	Data Type
MachineType (PK)	Nvarchar(30)
Material (FK)	Nvarchar(30)

DimPlant

Field Name	Data Type
PlantNumber (PK)	Int
PlantName	Nvarchar(30)
CountryCode (FK)	NChar(2)

DimMaterial

Field Name	Data Type
Material (PK)	Nvarchar(30)

DimProductType

Field Name	Data Type
ProductTypeCode (PK)	Int
ProductTypeName	Nvarchar(50)

DimCountry

Field Name	Data Type
CountryCode (PK)	NChar(2)
CountryName	Nvarchar(30)

Figure 6-17 *The completed Manufacturing data mart schema*

NOTE:

When creating the tables, do NOT include (PK) or (FK) in the column names. These symbols in the image are just for your information.

In this exercise, we do NOT create foreign keys in SQL Server Management Studio