Tex Manager – Data Exchange manual

Summary

1 Definitions of used terms

Default database engine: MySql
Default database port: 3307
Default database name: texexchange
Default database user: TexExchange
Default database password: TexExchange

All database connection parameters are case sensitive.
All database fields and table name are NOT with capital chars.
All database char/Varchar fields are utf8_unicode_ci

With machine class we means that multiple machine could have same set of functions.

2 Test program

An useful test program could be found on Database server, accessing by browser on address:
http://TexMDB:8080/Redistributable/ or (if replication db enable)
http://TexMDB_1:8080/Redistributable/ or more generally http://__db_ip__:8080/Redistributable/

Into folder TexExchange\TestTexExchange.exe
Software is windows based and need database connector installed before use (be found on : http://TexMDB_1:8080/Redistributable/MysqlConn/ P.N.:Connector to be install must be x86 even on x64 machine, because test program is x86 architecture.)

Run TestTexExchange.exe and click connect to access Exchange Database

3 Version of Exchange DB

Some new features/changes will be add/update along life of product, for each table was exposed in this document the availability represented by filed “Since”.

Current versions could be read by view “versions” on Item ExchangeDB field “ver”.

4 Exchange Database

4.1 Table structure

Table comment contain version of it. Some fields could not be available in relation of table version.

4.1.1 View of dyeing programs (programlst)

Field	Kind	Null	Notes	Since
No	smallint(5)	N	Program Number	Ver 1.2
Pclass	smallint(5)	N	Program class	Ver 1.2
Gruppom	smallint(5)	N	Machine group	Ver 1.2
Sdesc	varchar(10)	N	Short description	Ver 1.2
Desc	varchar(100)	N	Description	Ver 1.2
tstd	smallint(5)	N	Standard time	Ver 1.2
rel	int(10)	N	Program Hash	Ver 1.3

This view show all available dyeing program for machine class.

4.1.2 View of measure units (mu)

Field	Kind	Null	Notes	Since
umid	smallint(5)	Y	Measure unit ID	Ver 1.2
desc	varchar(20)	Y	Measure unit description	Ver 1.2

This view show all available measure unit.

4.1.3 View of products (productlst)

Field	Kind	Null	Notes	Since
Pid	varchar(30)	N	Product ID	Ver 1.2
Gpid	varchar(30)	Y	External system product ID	Ver 1.2

Field	Kind	Null	Notes	Since
ctpid	Int(10)	Y	Product code for alfanumeric incompatible dosing stations	Ver 1.2
Desc	varchar(100)	Y	Product description	Ver 1.2
Sdesc	varchar(10)	Y	Product acronym	Ver 1.2
Nota	varchar(100)	Y	Notes	Ver 1.2
Um	tinyint(3)	Y	Handling Unit (see note 1)	Ver 1.2
Prodalt	varchar(30)	Y	Alternative product ID	Ver 1.2
prodaltmolt	float	Y	On alternative use, conversion factor	Ver 1.2
Costo	float	Y	Price for handling unit	Ver 1.2
Ps	float	Y	Specific gravity	Ver 1.2
Qtamag	float	Y	Company stock ammount in handling unit	Ver 1.2
Qtamin	float	Y	Minimum company stock admitted	Ver 1.2
Barcode	varchar(40)	Y	Code to be converted into barcode	Ver 1.2
Tabvel	tinyint(3)	Y	Reserved	Ver 1.2
Vibra	tinyint(3)	Y	Reserved	Ver 1.2
Classe	tinyint(3)	Y	Product class	Ver 1.2
Tmix	smallint(5)	Y	Mixing time (on dissolution)	Ver 1.2
apportovol	float	Y	Maximum solubility (g/l)	Ver 1.2
Tcont	smallint(5)	Y	Index of barrel kind	Ver 1.3
Gruppo	tinyint(3)	Y		Ver 1.3
Fornatt	varchar(30)	Y	Index of current supplier	Ver 1.3
Rgb	int(10)	Y	Color in RGB format (see note 2)	Ver 1.3
ColorIndex	varchar(20)	Y		Ver 1.3
CarIonico	tinyint(3)	Y		Ver 1.3
Umdesc	varchar(20)	Y	Handling unit description	Ver 1.8
costog	Double		Product cost for gram	Ver 1.8
costocc	Double		Product cost for cc	Ver 1.8
builddate	Datetime	Y	Creation date	Ver 1.8
editdate	Datetime	Y	Last edit date	Ver 1.8
editusrname		Y	Last editor user	Ver 1.8
Qtacabtot	Float	Y	Dosing station stock total amount in handling unit	Ver 1.8
~~Qtacab~~	~~Float~~	~~Y~~	~~Dosing station stock amount in handling unit~~	~~Ver 1.2~~

Field	Kind	Null	Notes	Since
~~Qtamincab~~	~~Float~~	~~Y~~	~~Minimum dosing station stock admitted~~	~~Ver 1.2~~
~~Capstock~~	~~Float~~	~~Y~~	~~Capacity of dosing station stock~~	~~Ver 1.2~~

Fields Qtacab,Qtamincab,Capstock removed since Ver 1.8, available in productlstdett

This table show product handled by TexManager.

Note 1: According table 'mu'
Note 2: Hex values must converted in decimal representation
Pure Red 0000FF Represented as 255,
Pure Green 00FF00 Represented as 255 shl 8 + 00=65280
Pure Blue FF0000 Represented as 255 shl 16 + 00 shl 8 + 00 = 16711680

4.1.4 View of detail products (productlstdett)

Field	Kind	Null	Notes	Since
Pid	varchar(30)	N	Product ID	Ver 1.8
Gpid	varchar(30)	Y	External system product ID	Ver 1.8
ctpid	Int(10)	Y	Product code for alfanumeric incompatible dosing stations	Ver 1.8
Desc	varchar(100)	Y	Product description	Ver 1.8
Dsid	Int(11)	N	Handled by dosing station ID	Ver 1.8
Qtacab	Float	Y	Dosing station stock ammount in handling unit	Ver 1.8
Qtamincab	Float	Y	Minimum dosing station stock admitted	Ver 1.8
Capstock	Float	Y	Capacity of dosing station stock	Ver 1.8

4.1.5 Products Handling (products)

Field	Kind	Null	Notes	Since
Cmd	smallint(5)	Y	Comand (see notes 1)	Ver 1.2
Pid	varchar(30)	N	Product ID (See notes 2)	Ver 1.2
Gpid	varchar(30)	Y	Company Product ID	Ver 1.2
Desc	varchar(100)	Y	Product description	Ver 1.2
sdesc	varchar(10)	Y	Product acronym	Ver 1.2
nota	varchar(100)	Y	Notes	Ver 1.2

Field	Kind	Null	Notes	Since
Um	tinyint(3)	Y	Measure unit (According table ‘mu’)	Ver 1.2
prodalt	varchar(30)	Y	In case of product out of stock use this product	Ver 1.2
prodaltmolt	float(6,3)	Y	Exchange ratio from alternative an original roduct	Ver 1.2
costo	float(10,5)	Y	Price for measure unit	Ver 1.2
Ps	float(7,5)	Y	Specific gravity	Ver 1.2
qtamag	float(7,1)	Y	Company stock ammount in handling unit	Ver 1.2
qtamin	float(7,1)	Y	Minimum company stock admitted	Ver 1.2
barcode	varchar(40)	Y	Barcode	Ver 1.2
classe	tinyint(3)	Y	Product class	Ver 1.2
apportovol	float(6,3)	Y	Reserved	Ver 1.2
status	smallint(5)	Y	Status (see notes 3)	Ver 1.2
errcode	smallint(5)	Y	Error code if Status 5	Ver 1.2

This table could contains all products that have to be imported/updated into TexManager.

Note 1: Are available codes:

1->Import as manual product into TexManager

2->Remove product from TexMonitor.

3->Update Stock data.

Note2: If old hardware present (Dosing station with Ct40x) this field could be 5/8/12 char maximum

Note3: Are available codes:

0->Not jet imported into TexManager

1->Imported into TexManager

4->Could be removed (TexManager will remove this line)

5->Error in current record (see errors table)

6->Current record updated by TexManager

FLOW: When a new record will be written by external system, Status field must be 0, when TexManager will finish handling of record will change status field in 1 or 5 according to handling result.
At this point external system after handling of finish status will update status in 4 and TexManager will delete row from the table.

In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must

update status in 4 and TexManager will delete row from the table.

4.1.6 View of recipes (recipelst)

Field	Kind	Null	Notes	Since
Rid	varchar(30)	N	Recipe Number	Ver 1.2
Sdesc	varchar(10)	Y	Short description	Ver 1.2
Desc	varchar(100)	N	Description	Ver 1.2
Class	int(11)	N	Recipe class	Ver 1.2
Rgb	int(11)	Y	Recipe Rgb	Ver 1.8
Builddate	Datetime	Y	Build date	Ver 1.2
Editdate	Datetime	Y	Last Edit date	Ver 1.8
editusrname	Varchar(50)	Y	Last editor user name	Ver 1.8
kind	smallint(5)	Y	0->standar recipe 1->color recipe	Ver 1.8

This view show all available recipes.

4.1.7 View of recipes elements (recipedett)

Field	Kind	Null	Notes	Since
rid	varchar(30)	Y	Recipe id	Ver 1.7
rida	int(11)	N	Recipe code	Ver 1.7
fase	int(11)	N	Call off	Ver 1.7
pid	varchar(30)	N	Product id (see note 1)	Ver 1.7
npgr	int(11)	N	Sequence into call off	Ver 1.7
qta	float(10,4)	Y	Quantity	Ver 1.7
um	tinyint(3)	Y	Measure unit	Ver 1.7
umdesc	varchar(20)	Y	Measure unit description	Ver 1.7
editdate	datetime	Y	Edit date	Ver 1.7
editusrname	varchar(50)	Y	Last editor user name	Ver 1.7
testo	text	Y	Notes	Ver 1.7
costog	double(26,21)	Y	Cost for g	Ver 1.7
costocc	double(34,17)	Y	Cost for cc	Ver 1.7

This view show all available recipes details.

Note 1: Pid as @Col is a reference to color recipe, that could be specified or not into qta field as recipe rida
Pid as @Ric ia s reference to a sub recipe, that is specified into qta field.

4.1.8 View of recipes elements class (recipeclasslst)

Field	Kind	Null	Notes	Since
rkid	varchar(30)	Y	Recipe class id	Ver 1.8
sdesc	varchar(10)	Y	Class acronym	Ver 1.8
desc0	varchar(100)	Y	Class description language 0	Ver 1.8
desc1	varchar(100)	Y	Class description language 1	Ver 1.8
desc2	varchar(100)	Y	Class description language 2	Ver 1.8
desc3	varchar(100)	Y	Class description language 3	Ver 1.8
desc4	varchar(100)	Y	Class description language 4	Ver 1.8
desc5	varchar(100)	Y	Class description language 5	Ver 1.8
desc6	varchar(100)	Y	Class description language 6	Ver 1.8
desc7	varchar(100)	Y	Class description language 7	Ver 1.8
desc8	varchar(100)	Y	Class description language 8	Ver 1.8
desc9	varchar(100)	Y	Class description language 9	Ver 1.8
desc10	varchar(100)	Y	Class description language 10	Ver 1.8
desc11	varchar(100)	Y	Class description language 11	Ver 1.8
desc12	varchar(100)	Y	Class description language 12	Ver 1.8

This view show all available recipes items class.

4.1.9 Recipe Handling

4.1.9.1 Recipe Handling Header (recheader)

Field	Kind	Null	Notes	Since
cmd	smallint(5)	N	Comand (see notes 1)	Ver 1.2
rid	varchar(30)	N	Recipe Number	Ver 1.2
desc	varchar(100)	Y	Short description	Ver 1.2

Field	Kind	Null	Notes	Since
Sdesc	varchar(10)	Y	Description	Ver 1.2
recclass	int(11)	Y	Recipe class, according recipeclasslst	Ver 1.2
Reparto	smallint(5)	Y	Departement ID	Ver 1.8
kind	smallint(5)	Y	0->standar recipe 1->color recipe	Ver 1.8
Rgb	int(11)	Y	Recipe Rgb	Ver 1.8
Nota	varchar(100)	Y	Recipe annotation	Ver 1.8
Status	smallint(5)	Y	Status (see notes 2)	Ver 1.2
errcode	smallint(5)	Y	Error code if Status 5	Ver 1.2

This table could contains all recipes that have to be imported/updated into TexManager.

Note 1: Are available codes:

1->Import recipe into TexManager (First fill recipebody)

2->Remove recipe from TexManager.

Note2: Are available codes:

0->Not jet imported into TexManager

1->Imported into TexManager

4->Could be removed (TexManager will remove this line)

5->Error in current record (see errors table)

6->Current record updated by TexMonitor

FLOW: When a new record will be written by external system, Status field must be 0, but **FIRST** body records must be filled otherwise recipe will be imported with error “No products”.
When TexManager will finish handling of record will change status field in 1 or 5 according to handling result.
At this point external system after handling of finish status will update status in 4 and TexManager will delete row from the table.

In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must update status in 4 and TexManager will delete row from the table.

4.1.9.2 Recipe Handling Body (recbody)

Filed	Kind	Null	Notes	Since
rid	varchar(30)	No	Recipe Number	Ver 1.2

Filed	Kind	Null	Notes	Since
fase	int(11)	No	Introduction number	Ver 1.2
pid	varchar(30)	No	Product ID	Ver 1.2
npgr	int(11)	No	Progressive number of product in same introduction	Ver 1.2
qta	float(9,4)	Sì	Ammount	Ver 1.2
um	tinyint(3)	Sì	Measure unit (According table 'mu')	Ver 1.2
kind	tinyint(3)	Sì	Kind of item on Note 1	Ver 1.3
nota	varchar(100)	Sì	Note field for kind 2	Ver 1.3

Note 1: Are available codes:

NULL,0-> product line
1-> sub recipe, field pid contains rid of subrecipe

2-> note, field pid contains note text

4.1.10 Microprocessor details (microdet)

Field	Kind	Null	Notes	Since
No	smallint(5)	N	Machine number	Ver 1.2
gruppom	smallint(5)	Y	Machine group	Ver 1.2
Desc	varchar(20)	Y	Machine description	Ver 1.2
numcorde	tinyint(3)	Y	Number of ropes	Ver 1.2
maxloadkg	smallint(5)	Y	Max loadable quantity in Kg	Ver 1.2
maxwidth	smallint(5)	Y	Max loadable width in cm	Ver 1.2
depid	smallint(5)	Y	Department id	Ver 1.7
depacr	varchar(10)	Y	Department acronym	Ver 1.7
desc0	varchar(100)	Y	Department description language 0	Ver 1.7
desc1	varchar(100)	Y	Department description language 1	Ver 1.7
desc2	varchar(100)	Y	Department description language 2	Ver 1.7
desc3	varchar(100)	Y	Department description language 3	Ver 1.7
desc4	varchar(100)	Y	Department description language 4	Ver 1.7
desc5	varchar(100)	Y	Department description language 5	Ver 1.7
desc6	varchar(100)	Y	Department description language 6	Ver 1.7

Field	Kind	Null	Notes	Since
desc7	varchar(100)	Y	Department description language 7	Ver 1.7
desc8	varchar(100)	Y	Department description language 8	Ver 1.7
desc9	varchar(100)	Y	Department description language 9	Ver 1.7
desc10	varchar(100)	Y	Department description language 10	Ver 1.7
desc11	varchar(100)	Y	Department description language 11	Ver 1.7
desc12	varchar(100)	Y	Department description language 12	Ver 1.7

This view show all machines.

4.1.11 Job Order Handling (JobOrders)

Field	Kind	Null	Notes	Since
cmd	smallint(5)	N	Comand (see notes 1)	Ver 1.2
mno	smallint(5)	N	Machine number	Ver 1.2
jobid	varchar(30)	N	Job ID	Ver 1.2
qtag	float	Y	Quantity in grams	Ver 1.2
br	float	Y	Batch ratio	Ver 1.2
ar	float	Y	Absorbsion ratio	Ver 1.2
sal%	float	Y	Brine percentage	Ver 1.2
ltr1	smallint(5)	Y	First filling (instead of BR)	Ver 1.2
ltr2	smallint(5)	Y	Next fillings (instead of AR)	Ver 1.2
lsal	smallint(5)	Y	Brine liters (instead of sal%)	Ver 1.2
mt	smallint(5)	Y	Meters	Ver 1.2
prg1	smallint(5)	Y	1° Dyeing program	Ver 1.2
prg2	smallint(5)	Y	2° Dyeing program	Ver 1.2
prg3	smallint(5)	Y	3° Dyeing program	Ver 1.2
prg4	smallint(5)	Y	4° Dyeing program	Ver 1.2
prg5	smallint(5)	Y	5° Dyeing program	Ver 1.2
reg1	smallint(5)	Y	1° Regolation program	Ver 1.2
reg2	smallint(5)	Y	2° Regolation program	Ver 1.2
reg3	smallint(5)	Y	3° Regolation program	Ver 1.2
reg4	smallint(5)	Y	4° Regolation program	Ver 1.2

Field	Kind	Null	Notes	Since
reg5	smallint(5)	Y	5° Regolation program	Ver 1.2
ric1	varchar(30)	Y	1° Recipe	Ver 1.2
ric2	varchar(30)	Y	2° Recipe	Ver 1.2
ric3	varchar(30)	Y	3° Recipe	Ver 1.2
ric4	varchar(30)	Y	4° Recipe	Ver 1.2
ric5	varchar(30)	Y	5° Recipe	Ver 1.2
ric6	varchar(30)	Y	6° Recipe	Ver 1.2
ric7	varchar(30)	Y	7° Recipe	Ver 1.2
ric8	varchar(30)	Y	8° Recipe	Ver 1.2
ric9	varchar(30)	Y	9° Recipe	Ver 1.2
ric10	varchar(30)	Y	10° Recipe	Ver 1.2
ric11	varchar(30)	Y	11° Recipe	Ver 1.2
ric12	varchar(30)	Y	12° Recipe	Ver 1.2
note1	varchar(60)	Y	Free note (shown on Machine)	Ver 1.2
note2	varchar(60)	Y	Free note	Ver 1.2
extstart@	datetime	Y	Planned start time	Ver 1.2
delivery	datetime	Y	Planned delivery time	Ver 1.3
start@	datetime	Y	Date time of start process	Ver 1.2
end@	datetime	Y	Date time of end process	Ver 1.2
Status	smallint(5)	N	Status (see notes 2)	Ver 1.2
errcode	smallint(5)	N	Error code if Status 5	Ver 1.2
pno	int(11)	Y	Process index	Ver 1.8
ccid	varchar(30)	Y	Customer index	Ver 1.8
artid	varchar(20)	Y	Article index	Ver 1.8
colrid	varchar(30)	Y	Color Recipe	Ver 1.8
commrgb	int(11)	Y	Job order RGB	Ver 1.8
paid	smallint(5)	Y	Job order kind index	Ver 1.8
worker	varchar(30)	Y	Job order creator	Ver 1.8

This table could contains all job orders that have to be imported into TexManager, all running process and finished one.

Note 1: Are available codes:

1->Import/update JobOrder into TexManager

2->Remove JobOrder from TexManager.

Note2: Are available codes:

0->Not jet imported into TexManager

1->Imported into TexManager

2->Started

3->Ended

4->Could be removed (TexManager will remove this line)

5->Error in current record (see errors table)

6->Current record updated by TexManager

7->Assigned to machine by TexManager

8->Manual products ready (means dosed/weighted)

FLOW: When a new record will be written by external system, Status field must be 0, when TexManager will finish handling of record will change status field in 1 or 5 according to handling result. When Job order will start TexManager will update field status in 2 and when will end it will become 3. At this point external system after handling of finish status will update status in 4 and TexManager will delete JobOrder from the table.
Status 7 could be reached only if during status 0 machine isn't specified using NULL or 0 and in options set "Allow batch with machine unassigned" is TRUE

In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must update status in 4 and TexManager will delete row from the table.

4.1.12 Products for job order (prod4jo)

Field	Kind	Null	Notes	Since
no	mediumint(9)	N	Machine number	Ver 1.7
comm	varchar(30)	N	Job order	Ver 1.7
rida	int(11)	Y	Recipe	Ver 1.7
npgrr	smallint(6)	Y	Recipe sequence	Ver 1.7
fase	smallint(5)	Y	Call off	Ver 1.7
pid	varchar(30)	Y	Product id (see note 1)	Ver 1.7
desc	varchar(100)	Y	Product desc	Ver 1.7
npgr	int(11)	N	Product sequence	Ver 1.7
qta	float(10,4)	Y	Product ammount	Ver 1.7

Field	Kind	Null	Notes	Since
um	tinyint(3)	Y	Measure unit	Ver 1.7

This table contains products for all job orders planned into TexManager.

Note 1: On pid NULL description field will be a comment.

4.1.13 Job order kind (joborderkind)

Field	Kind	Null	Notes	Since
paid	smallint(5)		Kind Id	Ver 1.8
sdesc	varchar(10)		Acronym	Ver 1.8
desc	varchar(100)		Description	Ver 1.8

This table show available job order kinds.

4.1.14 Fabrics for job order (art4jo)

Field	Kind	Null	Notes	Since
uno	smallint(6)	N	Machine number	Ver 1.7
comm	varchar(30)	N	Job order	Ver 1.7
npgr	tinyint(3)	N	Article sequence	Ver 1.7
art	varchar(20)	Y	Article id	Ver 1.7
matr	varchar(20)	Y	Article serial number	Ver 1.7
qtakg	float(7,1)	Y	Ammount	Ver 1.7
qtamt	float(7,2)	Y	Ammount	Ver 1.7
nota	varchar(100)	Y	Notes	Ver 1.7
bolla	varchar(100)	Y	Master serial number (weaving serial)	Ver 1.7
desc	varchar(40)	Y	Article description	Ver 1.7

This table contains articles for all job orders planned into TexManager.

4.1.15 Handling Errors (errors)

Field	Kind	Null	Notes	Since
Errno	smallint(5)	N	Error code	Ver 1.2
description	varchar(100)	Y	Error description	Ver 1.2

This view decode all error code during data exchange.

4.1.16 View of articles composition (complst)

Field	Kind	Null	Notes	Since
cid	smallint(5)	N	Composition index	Ver 1.2
sdesc	varchar(10)	Y	Composition acronym	Ver 1.2
desc	varchar(100)	Y	Composition description	Ver 1.2
fid1	smallint(5)	Y	Fiber 1 cid (see Fibers table)	Ver 1.2
q%1	tinyint(3)	Y	Ammount of fiber 1	Ver 1.2
fid2	smallint(5)	Y	Fiber 2 cid (see Fibers table)	Ver 1.2
q%2	tinyint(3)	Y	Ammount of fiber 2	Ver 1.2
fid3	smallint(5)	Y	Fiber 3 cid (see Fibers table)	Ver 1.2
q%3	tinyint(3)	Y	Ammount of fiber 3	Ver 1.2
fid4	smallint(5)	Y	Fiber 4 cid (see Fibers table)	Ver 1.2
q%4	tinyint(3)	Y	Ammount of fiber 4	Ver 1.2
fid5	smallint(5)	Y	Fiber 5 cid (see Fibers table)	Ver 1.2
q%5	tinyint(3)	Y	Ammount of fiber 5	Ver 1.2

This table show all articles composition charged into TexManager.

4.1.17 Articles composition Handling (articlecomp)

Field	Kind	Null	Notes	Since
cmd	smallint(5)	N	Comand (see notes 1)	Ver 1.8
cid	smallint(5)	N	Composition index	Ver 1.8

Field	Kind	Null	Notes	Since
sdesc	varchar(10)	Y	Composition acronym	Ver 1.8
desc	varchar(100)	Y	Composition description	Ver 1.8
fid1	smallint(5)	Y	Fiber 1 cid (see Fibers table)	Ver 1.8
q%1	tinyint(3)	Y	Ammount of fiber 1	Ver 1.8
fid2	smallint(5)	Y	Fiber 2 cid (see Fibers table)	Ver 1.8
q%2	tinyint(3)	Y	Ammount of fiber 2	Ver 1.8
fid3	smallint(5)	Y	Fiber 3 cid (see Fibers table)	Ver 1.8
q%3	tinyint(3)	Y	Ammount of fiber 3	Ver 1.8
fid4	smallint(5)	Y	Fiber 4 cid (see Fibers table)	Ver 1.8
q%4	tinyint(3)	Y	Ammount of fiber 4	Ver 1.8
fid5	smallint(5)	Y	Fiber 5 cid (see Fibers table)	Ver 1.8
q%5	tinyint(3)	Y	Ammount of fiber 5	Ver 1.8
status	smallint(5)	N	Status (see notes 2)	Ver 1.8
errcode	smallint(5)	Y	Error code if Status 5	Ver 1.8

This table could contains article composition that have to be imported into TexManager.

Note 1: Are available codes:

1->Import/update into TexManager

2->Remove from TexManager.

Note2: Are available codes:

0->Not jet imported into TexManager

1->Imported into TexManager

4->Could be removed (TexManager will remove this line)

5->Error in current record (see errors table)

6->Current record updated by TexManager

FLOW: When a new record will be written by external system, Status field must be 0, when TexManager will finish handling of record will change status field in 1 or 5 according to handling result.
At this point external system after handling of finish status will update status in 4 and TexManager will delete the line from the table.

In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must update status in 4 and TexManager will delete row from the table.

4.1.18 Dosing done (dosingdone)

Field	Kind	Null	Notes	Since
jobid	varchar(30)	N	Job ID	Ver 1.2
mno	smallint(5)	N	Machine number	Ver 1.2
tank	tinyint(3)	N	Side tank number	Ver 1.2
phase	tinyint(3)	N	Introduction number	Ver 1.2
wno	tinyint(4)	N	Part of dosing (only for splitted dosing)	Ver 1.2
nofw	tinyint(4)	N	Total part of dosing	Ver 1.2
rida	integer	N	Recipe ID	Ver 1.2
pid	varchar(30)	N	Product ID	Ver 1.2
qtar	float	Y	Requested quantity in um	Ver 1.2
qtad	float	Y	Dosed quantity in um	Ver 1.2
um	smallint(5)	Y	Measure unit (According table ‘mu’)	Ver 1.2
tdos	int(11)	N	Total dosing time in seconds (see note 1)	Ver 1.2
dataf	Datetime	Y		Ver 1.2
status	smallint(5)	Y	Status (see note 2)	Ver 1.2

This table show product dosed by TexManager.

Note 1: Time passed between dosing queue adding and dosing done in seconds.
Last product of an introduction could be consider as last Total time of introduction considered.

Note 2: Are available codes:

4->Could be removed (TexManager will remove this line)

6->Current record updated by TexManager

FLOW: In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must update status in 4 and TexManager will delete row from the table.

4.1.19 View of articles (articlelst)

Field	Kind	Null	Notes	Since
art	varchar(20)	N	Article ID	Ver 1.2
Artdesc	varchar(40)	Y	Article description	Ver 1.2

Field	Kind	Null	Notes	Since
CompID	smallint(5)	Y	Composition ID (From comp table)	Ver 1.2
CompAcr	varchar(10)	Y	Composition acronym	Ver 1.2
CompDesc	varchar(100)	Y	Composition description	Ver 1.2
width	smallint(5)	Y	Fabric width or Yarn size	Ver 1.2
caricom	tinyint(3)	Y	Machine loading capability (see note 1)	Ver 1.2
pml	smallint(5)	Y	Weight linea or Cone weight	Ver 1.2
rb	float	Y	Batch ratio	Ver 1.2
ra	float	Y	Absorbtion ratio	Ver 1.2
builddate	Datetime	Y	Creation date	Ver 1.8
editdate	Datetime	Y	Last edit date	Ver 1.8
editusrname	Varchar(50)	Y	Last editor user	Ver 1.8

This table show all articles charged into TexManager.

Note 1: Machine have a default capacity, some article because are heavy or light could change that capacity, so 100% mean that fabric could be loaded at machine nominal capacity 90% means 10% less of machine nominal capacity.

4.1.20 Article Handling (article)

Field	Kind	Null	Notes	Since
cmd	smallint(5)	N	Comand (see notes 1)	Ver 1.2
art	varchar(20)	N	Article ID	Ver 1.2
desc	varchar(40)	Y	Article description	Ver 1.2
comp	tinyint(3)	Y	Composition ID (From comp table)	Ver 1.2
width	smallint(5)	Y	Fabric width or Yarn size	Ver 1.2
caricom	tinyint(3)	Y	Machine loading capability (see note 1)	Ver 1.2
pml	smallint(5)	Y	Weight linea or Cone weight	Ver 1.2
rb	Float	Y	Batch ratio	Ver 1.2
ra	Float	Y	Absorpion ratio	Ver 1.2
status	smallint(5)	N	Status (see notes 2)	Ver 1.2
errcode	smallint(5)	Y	Error code if Status 5	Ver 1.2

This table could contains article that have to be imported into TexManager.

Note 1: Are available codes:

1->Import/update into TexManager

2->Remove from TexManager.

Note2: Are available codes:

0->Not jet imported into TexManager

1->Imported into TexManager

4->Could be removed (TexManager will remove this line)

5->Error in current record (see errors table)

6->Current record updated by TexManager

FLOW: When a new record will be written by external system, Status field must be 0, when TexManager will finish handling of record will change status field in 1 or 5 according to handling result.
At this point external system after handling of finish status will update status in 4 and TexManager will delete the line from the table.

In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must update status in 4 and TexManager will delete row from the table.

4.1.21 Dosing done (dosingdone)

Field	Kind	Null	Notes	Since
jobid	varchar(30)	N	Job ID	Ver 1.2
mno	smallint(5)	N	Machine number	Ver 1.2
tank	tinyint(3)	N	Side tank number	Ver 1.2
phase	tinyint(3)	N	Introduction number	Ver 1.2
wno	tinyint(4)	N	Part of dosing (only for splitted dosing)	Ver 1.2
nofw	tinyint(4)	N	Total part of dosing	Ver 1.2
rida	integer	N	Recipe ID	Ver 1.2
pid	varchar(30)	N	Product ID	Ver 1.2
qtar	float	Y	Requested quantity in um	Ver 1.2
qtad	float	Y	Dosed quantity in um	Ver 1.2
um	smallint(5)	Y	Measure unit (According table ‘mu’)	Ver 1.2
tdos	int(11)	N	Total dosing time in seconds (see note 1)	Ver 1.2
dataf	Datetime	Y		Ver 1.2
status	smallint(5)	Y	Status (see note 2)	Ver 1.2

This table show product dosed by TexManager.

Note 1: Time passed between dosing queue adding and dosing done in seconds.
Last product of an introduction could be consider as last Total time of introduction considered.

Note 2: Are available codes:

4->Could be removed (TexManager will remove this line)

6->Current record updated by TexManager

FLOW: In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must update status in 4 and TexManager will delete row from the table.

4.1.22 Machine status (ustatus)

Field	Kind	Null	Notes	Since
no	smallint(5)	N	Machine number	Ver 1.4
lastupdate	datetime	Y	Timestamp of last update	Ver 1.4
desc	varchar(20)	Y	Maschine description	Ver 1.4
reparto	smallint(5)	Y	Machine division	Ver 1.4
Stato	int(6)	Y	Machine status (see note 1)	Ver 1.4
defno	varchar(4)	Y	Machine acronym	Ver 1.4
gruppom	smallint(5)	Y	Machine group ID, according machine group table	Ver 1.4
maxloadkg	smallint(5)	Y	Machine max load	Ver 1.4
comm	varchar(30)	Y	Current job order	Ver 1.4
qta	float(7,1)	Y	Loaded quantity	Ver 1.4
rb	float(5,2)	Y	Batch ratio	Ver 1.4
ra	float(5,2)	Y	Absorbtion ratio	Ver 1.4
ps	float(4,1)	Y	Brine %	Ver 1.4
LtrS	int(11)	Y	Brine liters	Ver 1.4
f1	smallint(5)	Y	Active function	Ver 1.4
f2	smallint(5)	Y	Active function	Ver 1.4
f3	smallint(5)	Y	Active function	Ver 1.4
f4	smallint(5)	Y	Active function	Ver 1.4

Field	Kind	Null	Notes	Since
f5	smallint(5)	Y	Active function	Ver 1.4
f6	smallint(5)	Y	Active function	Ver 1.4
f7	smallint(5)	Y	Active function	Ver 1.4
f8	smallint(5)	Y	Active function	Ver 1.4
f9	smallint(5)	Y	Active function	Ver 1.4
f10	smallint(5)	Y	Active function	Ver 1.4
f11	smallint(5)	Y	Active function	Ver 1.4
f12	smallint(5)	Y	Active function	Ver 1.4
f13	smallint(5)	Y	Active function	Ver 1.4
f14	smallint(5)	Y	Active function	Ver 1.4
f15	smallint(5)	Y	Active function	Ver 1.4
t1	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t2	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t3	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t4	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t5	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t6	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t7	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t8	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t9	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t10	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t11	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t12	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t13	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t14	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t15	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t16	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t17	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t18	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t19	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
t20	float(5,2)	Y	Temperature, according machine configuration	Ver 1.4
an1	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4

Field	Kind	Null	Notes	Since
an2	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an3	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an4	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an5	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an6	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an7	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an8	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an9	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an10	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an11	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an12	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an13	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an14	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an15	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an16	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an17	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an18	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an19	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
an20	float(8,3)	Y	Analog value, according machine configuration	Ver 1.4
prg	smallint(5)	Y	Current running program	Ver 1.4
passo	int(5)	Y	Current step	Ver 1.4
npassi	int(5)	Y	Total step	Ver 1.4
artid	varchar(20)	Y	Article ID, according articles table	Ver 1.4
colrid	varchar(30)	Y	Color ID, according colors table	Ver 1.4
pno	int(11)	Y	Running process ID, according process table	Ver 1.4

This table show machine status.

4.1.23 Available languages (avlang)

Field	Kind	Null	Notes	Since
id	tinyint(3)	N		Ver 1.6

Field	Kind	Null	Notes	Since
desc	varchar(20)	Y		Ver 1.6
langid	tinyint(3)	Y		Ver 1.6
cset	tinyint(3)	Y	Charset	Ver 1.6

This view shows available languages, langid represent language index into tables that have all description fields, generally descx where x is langid.

4.1.24 Machine temperature and analog values descriptions (uancgf)

Field	Kind	Null	Notes	Since
uno	smallint(5)	N	Machine number	Ver 1.6
kind	smallint(5)	N	Kind of value (see note 1)	Ver 1.6
npgr	smallint(5)	N	Graph order	Ver 1.6
gno	smallint(5)	Y	Graph index	Ver 1.6
sdesc	varchar(10)	Y	Graph acronym	Ver 1.6
desc0	varchar(100)	Y	Graph description	Ver 1.6
desc1	varchar(100)	Y	Graph description	Ver 1.6
desc2	varchar(100)	Y	Graph description	Ver 1.6
desc3	varchar(100)	Y	Graph description	Ver 1.6
desc4	varchar(100)	Y	Graph description	Ver 1.6
desc5	varchar(100)	Y	Graph description	Ver 1.6
desc6	varchar(100)	Y	Graph description	Ver 1.6
desc7	varchar(100)	Y	Graph description	Ver 1.6
desc8	varchar(100)	Y	Graph description	Ver 1.6
desc9	varchar(100)	Y	Graph description	Ver 1.6
desc10	varchar(100)	Y	Graph description	Ver 1.6
desc11	varchar(100)	Y	Graph description	Ver 1.6
desc12	varchar(100)	Y	Graph description	Ver 1.6
rgb	int(10)	Y	Color	Ver 1.6
um	smallint(5)	Y	Measure unit index	Ver 1.6
vmin	float(8,3)	Y	Range, min value	Ver 1.6
vmax	float(8,3)	Y	Range, max value	Ver 1.6

Field	Kind	Null	Notes	Since
umdesc	varchar(20)	Y	Description of measure unit	Ver 1.6

This table show temperature/analog values description exported for each machine.

Note 1: Value 0 means Temperature, 1 analog value.

4.1.25 Machine running alarms (ualarms)

Field	Kind	Null	Notes	Since
uno	int(11)	N	Machine number	Ver 1.6
ano	bigint(20)	N	Alarm number	Ver 1.6
active	bigint(20)	Y		Ver 1.6
sdesc	varchar(10)	Y	Acronym of alarm	Ver 1.6
desc0	varchar(100)	Y	Description of alarm	Ver 1.6
desc1	varchar(100)	Y	Description of alarm	Ver 1.6
desc2	varchar(100)	Y	Description of alarm	Ver 1.6
desc3	varchar(100)	Y	Description of alarm	Ver 1.6
desc4	varchar(100)	Y	Description of alarm	Ver 1.6
desc5	varchar(100)	Y	Description of alarm	Ver 1.6
desc6	varchar(100)	Y	Description of alarm	Ver 1.6
desc7	varchar(100)	Y	Description of alarm	Ver 1.6
desc8	varchar(100)	Y	Description of alarm	Ver 1.6
desc9	varchar(100)	Y	Description of alarm	Ver 1.6
desc10	varchar(100)	Y	Description of alarm	Ver 1.6
desc11	varchar(100)	Y	Description of alarm	Ver 1.6
desc12	varchar(100)	Y	Description of alarm	Ver 1.6

This table show running alarms on machines.

4.1.26 Article stock Handling (artstock)

Field	Kind	Null	Notes	Since
cmd	smallint(5)	N	Comand (see notes 1)	Ver 1.7
Mid	smallint(5)	N	Stock Id	Ver 1.7
art	varchar(20)	N	Article id	Ver 1.7
bolla	varchar(20)	N	Unique id (weaving bill or lot code)	Ver 1.7
matricola	varchar(20)	N	Roll/cone id	Ver 1.7
qtakg	float(9,1)	Y	Kg	Ver 1.7
qtamt	float(7,1)	Y	Mt	Ver 1.7
Posx	int(11)	Y	Stock coordinate	Ver 1.7
Posy	int(11)	Y	Stock coordinate	Ver 1.7
Posz	int(11)	Y	Stock coordinate	Ver 1.7
datacar	Datetime	Y	Date time	Ver 1.7
Status	smallint(5)	N	Status (see notes 2)	Ver 1.7

This table allow loading/unloading of article stock of TexManager.

Note 1: Are available codes:

1->Import stock into TexManager

2->Remove from stock of TexManager.

Note2: Are available codes:

0->Not jet imported into TexManager

1->Imported into TexManager

4->Could be removed (TexManager will remove this line)

6->Current record updated by TexManager

FLOW: When a new record will be written by external system, Status field must be 0.
When TexManager will finish handling of record will change status field in 1.
At this point external system after handling of finish status will update status in 4 and TexManager will delete row from the table.

In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must

update status in 4 and TexManager will delete row from the table.

4.1.27 Fibers registry view (fiberlst)

Field	Kind	Null	Notes	Since
fid	smallint(5)	N	Fiber index	Ver 1.8
sdesc	varchar(10)	Y	Acronym of fiber	Ver 1.8
desc0	varchar(100)	Y	Description of fiber	Ver 1.8
desc1	varchar(100)	Y	Description of fiber	Ver 1.8
desc2	varchar(100)	Y	Description of fiber	Ver 1.8
desc3	varchar(100)	Y	Description of fiber	Ver 1.8
desc4	varchar(100)	Y	Description of fiber	Ver 1.8
desc5	varchar(100)	Y	Description of fiber	Ver 1.8
desc6	varchar(100)	Y	Description of fiber	Ver 1.8
desc7	varchar(100)	Y	Description of fiber	Ver 1.8
desc8	varchar(100)	Y	Description of fiber	Ver 1.8
desc9	varchar(100)	Y	Description of fiber	Ver 1.8
desc10	varchar(100)	Y	Description of fiber	Ver 1.8
desc11	varchar(100)	Y	Description of fiber	Ver 1.8
desc12	varchar(100)	Y	Description of fiber	Ver 1.8

This table show fiber registry.

4.1.28 Fibers registry handling (fibers)

Field	Kind	Null	Notes	Since
cmd	smallint(5)	N	Comand (see notes 1)	Ver 1.8
fid	smallint(5)	N	Fiber index (see notes 2)	Ver 1.8
sdesc	varchar(10)	Y	Acronym of fiber	Ver 1.8
desc0	varchar(100)	Y	Description of fiber	Ver 1.8
desc1	varchar(100)	Y	Description of fiber	Ver 1.8
desc2	varchar(100)	Y	Description of fiber	Ver 1.8

Field	Kind	Null	Notes	Since
desc3	varchar(100)	Y	Description of fiber	Ver 1.8
desc4	varchar(100)	Y	Description of fiber	Ver 1.8
desc5	varchar(100)	Y	Description of fiber	Ver 1.8
desc6	varchar(100)	Y	Description of fiber	Ver 1.8
desc7	varchar(100)	Y	Description of fiber	Ver 1.8
desc8	varchar(100)	Y	Description of fiber	Ver 1.8
desc9	varchar(100)	Y	Description of fiber	Ver 1.8
desc10	varchar(100)	Y	Description of fiber	Ver 1.8
desc11	varchar(100)	Y	Description of fiber	Ver 1.8
desc12	varchar(100)	Y	Description of fiber	Ver 1.8
Status	smallint(5)	N	Status (see notes 3)	Ver 1.8
errcode	smallint(5)	Y	Error code if Status 5	Ver 1.8

This table allow add/remove fibers on TexManager.

Note 1: Are available codes:

1->Add fiber into TexManager

2->Remove fiber from TexManager.

Note 2: Codes below 200 are reserved and can’t be deleted

Note3: Are available codes:

0->Not jet imported into TexManager

1->Imported into TexManager

4->Could be removed (TexManager will remove this line)

6->Current record updated by TexManager

FLOW: When a new record will be written by external system, Status field must be 0.
When TexManager will finish handling of record will change status field in 1.
At this point external system after handling of finish status will update status in 4 and TexManager will delete row from the table.

In case TexManager update some information on is internal database and export changes is enabled a new line with Status 6 will be generate, when external system has end handling must update status in 4 and TexManager will delete row from the table.

4.1.29 View of departments (departmentlst)

Field	Kind	Null	Notes	Since
no	smallint(5)	N	Department id	Ver 1.8
sdesc	varchar(10)	Y	Department acronym	Ver 1.8
desc0	varchar(100)	Y	Department description language 0	Ver 1.8
desc1	varchar(100)	Y	Department description language 1	Ver 1.8
desc2	varchar(100)	Y	Department description language 2	Ver 1.8
desc3	varchar(100)	Y	Department description language 3	Ver 1.8
desc4	varchar(100)	Y	Department description language 4	Ver 1.8
desc5	varchar(100)	Y	Department description language 5	Ver 1.8
desc6	varchar(100)	Y	Department description language 6	Ver 1.8
desc7	varchar(100)	Y	Department description language 7	Ver 1.8
desc8	varchar(100)	Y	Department description language 8	Ver 1.8
desc9	varchar(100)	Y	Department description language 9	Ver 1.8
desc10	varchar(100)	Y	Department description language 10	Ver 1.8
desc11	varchar(100)	Y	Department description language 11	Ver 1.8
desc12	varchar(100)	Y	Department description language 12	Ver 1.8

This view show all available Departments.