

# Decco's casting navigator

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UTILIZING SQL, C#, JAVASCRIPT/TYPESCRIPT, ANGULAR 2

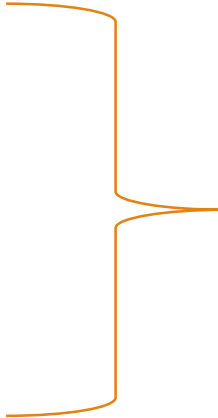
## DECCO'S NAVIGATOR. PURPOSE.

Decco Castings, Inc. is an aluminum sand and permanent mold foundry, serving the aerospace, defense, medical equipment and commercial equipment industries.

Decco has a portfolio of about 200 different parts.

### Problems:

- Each part has its mold pattern. Information about pattern location stored on server and available only upon request.
- Manufacturing instructions located on server, but available for labor upon request.
- During preliminary material review parts should be separated by alloy.



*All activities require initiation from labor. Any non execution will led to production of non-conforming products.*













## DECCO'S NAVIGATOR. STRUCTURE



Implementing local web-based system with access from mobile devices solve mentioned problems.

# DECCO'S NAVIGATOR. FRONT-END

All necessary information collected in a Data Base. Accessible from each mobile device in local network.

Image	Part Number	Alloy	Alloy Color	Weld status	Mold Type	Pieces in mold	Part Weight	Casting Weight	Core QTY per mold	Core location	Pattern location	Options
	44586675	356		NOT ALLOWED	Sand mold	2	2.5	10	3	E2	SS-17	<div> </div>
	410110	355		Weld allowed	P Mold	1	12	22	12	R-4	KK-8	<div> </div>
	60-803234	A357		Weld allowed	P Mold	1	21.5	2	14	V-7	AA-3	<div> </div>
	60-703211	A356		Weld allowed	SM-P Mold	1	15	31	5	E-4	J-2	<div> </div>

# DECCO'S NAVIGATOR. FEATURES

## Filtering

Filter castings by Part Number

60-70

Image	Part Number	Alloy
	60-703211	A356

## Edit

Update existing part

Part Number	60-703211
Alloy	A356
Weld Status	Weld allowed
Mold Type	SM-P Mold
Pieces in Mold	1
Weight of the part	15
Weight of the casting	31
Number of cores	5
Corebox location	Enter location of the core box
Pattern location	J-2



Choose File No file chosen


Update

## Delete

localhost:4200 says  
Are you sure?

OKCancel

Add new casting

d status	Mold Type	Pieces in mold	Part Weight	Casting Weight	Core QTY per mold	Core location	Pattern location	Options
WED	Sand mold	2	2.5	10	3	E2	SS-17	<div><input checked="" type="checkbox"/> </div>

## Links to documents

CatalogDocumentationProduction LogScrap LogNDT LogX-Ray logPhys test log

Filter castings by Part Number

Part number	Blue prints	M.I.S	Part marking technique	Weld map
44586675	<a href="#">Blue print</a>	<a href="#">M.I.S</a>	<a href="#">PMT</a>	<a href="#">Weld map</a>
60-803234	<a href="#">Blue print</a>	<a href="#">M.I.S</a>	<a href="#">PMT</a>	<a href="#">Weld map</a>
60-703211	<a href="#">Blue print</a>	<a href="#">M.I.S</a>	<a href="#">PMT</a>	<a href="#">Weld map</a>


☒ Options on/off

## Create

Add new part

Create

Part Number	Enter part number
Alloy	Enter alloy type
Weld Status	Enter weld allowance status
Mold Type	Enter mold type
Pieces in Mold	0
Weight of the part	0
Weight of the casting	0
Number of cores	0
Corebox location	Enter location of the core box
Pattern location	Enter location of the pattern



Choose File No file chosen

Add