Tobor Inc Automation Process

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1 Introduction

1.1 Introduction

Aims

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There are several sattes and proggression points that ae wanted from this automation, starting with what the current siutation is and what is expected to happen.

1.2.1 Current

First Name	James
Last Name	Harper
Address	12 Indigo Lane
	Hull
	HL2 0BR
	United Kingdom
Telephone	+44 07464592836
Email	James.r.harper@hotmail.co.uk
Content Preference	Tech
Interval	Daily

Figure 1: Table used for registration

1.2.2 Planned

As was seen in figure 1 Tobor Inc. started out with using a HTML table sent through an email. This has now been adpapted for automation use with each box having an index of zero through to twenty, with the properties tables being zero, two, four etc... and the information being one, three, five etc... These tables can now be used as the standard format, as before, but with the robot calling the required index

1.2.3 Benefits

1.2.4 Challenges

1.3 Example For Code Use

$$\dot{\boldsymbol{M}} = \boldsymbol{\gamma M}\ x\ \boldsymbol{H_{eff}} - \boldsymbol{\lambda M}\ x\ (\boldsymbol{M}\ x\ \boldsymbol{H_{eff}}) \tag{1}$$

Capping Layer Parameter	Permalloy (80/20)	Nickel	Iron
Magnetic Saturation (kA/m)	800	484	1730
Exchange Constant (pJ/m)	13	10.5	21
Density (kkm/m3)	8.74	8.90	7.87
Electrical Conductivity (MS/m)	14.05	0.4	10
Anisotropy Constant (MOe)	47	6	10

Cap Metal	Density (kkg/m)	Electrical Conductivity (MS/m)
No Cap	n/a	n/a
Gold	19.3	41
Palladium	11.9	10
Ruthenium	12.2	14
Tantalum	16.65	7.7
Platinum	21.45	9.43
Nichrome	0.84	1