



Printing and Imaging Systems Track P10500 - Printing Systems Family

MSD Guides

Denis Cormier

Jerry Garavuso

Bill Nowak

Mike Zona



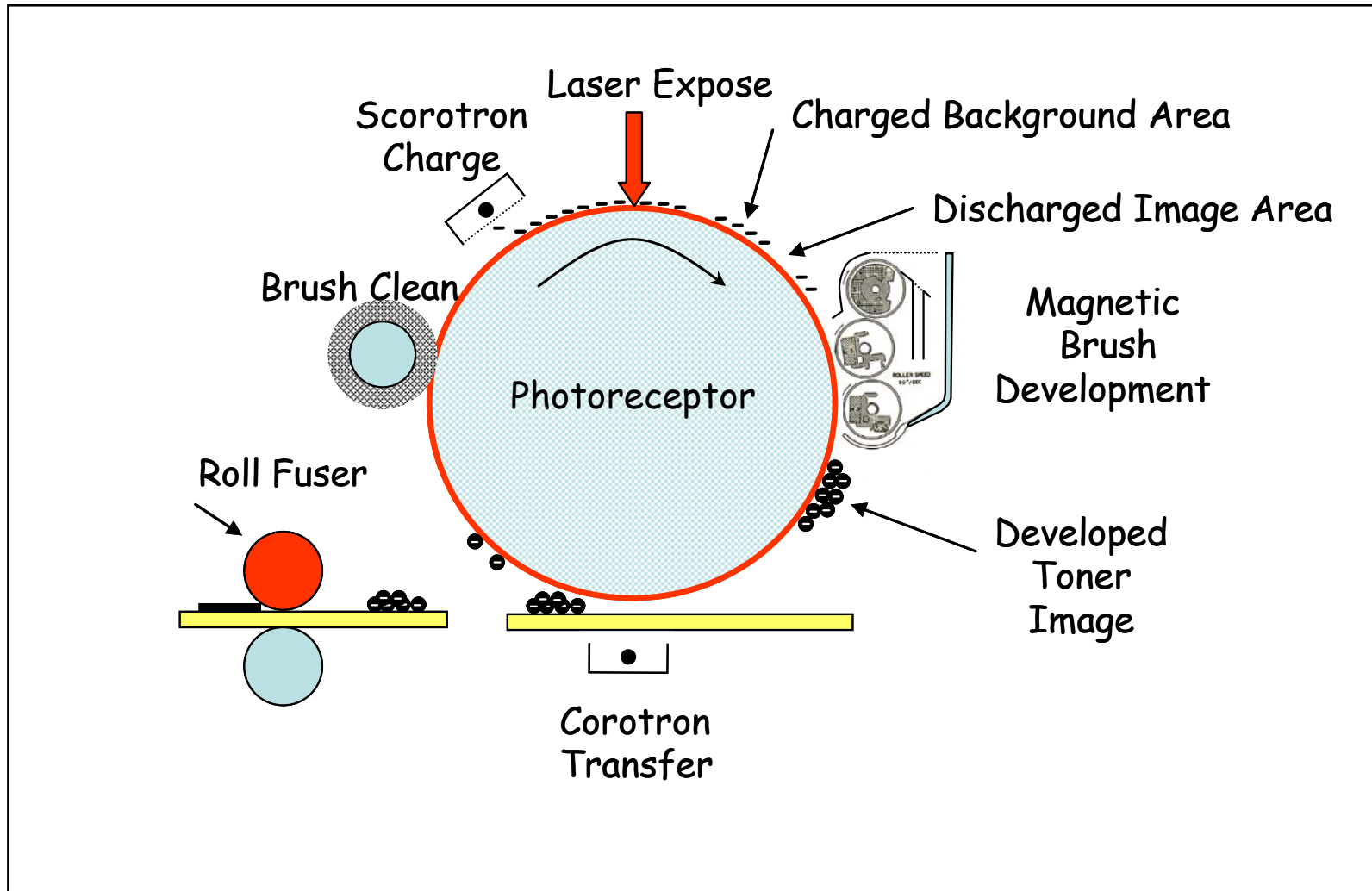
Project #	Project Title	Guide
P10503	Electro-photographic Development and Transfer Station Upgrade & Re-Optimization	Mike Zona & Bill Nowak
P10505	Low Energy Printing - Cold Pressure Fusing II	Bill Nowak & Mike Zona
P10511	Miniaturization of Xerography - Charging Device Characterization	Mike Zona & Bill Nowak
P10531	Piezo Electric Based Toner Concentration/Tribo Sensor Development/Optimization	Gerry Garavuso & Bill Nowak
P10541	Micro-Gloss Measurement System Development & Optimization	Gerry Garavuso
P10551	Nano-Ink Deposition System	Gerry Garavuso & Denis Cormier

P10500 - Printing Systems Family



Xerography

Typical Xerographic Print Engine



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P10503 - Electro-photographic Development and Transfer Station Upgrade & Re-Optimization

Guides: Mike Zona & Bill Nowak

Sponsor: Prism Lab & Xerox Corporation

Continuation Project

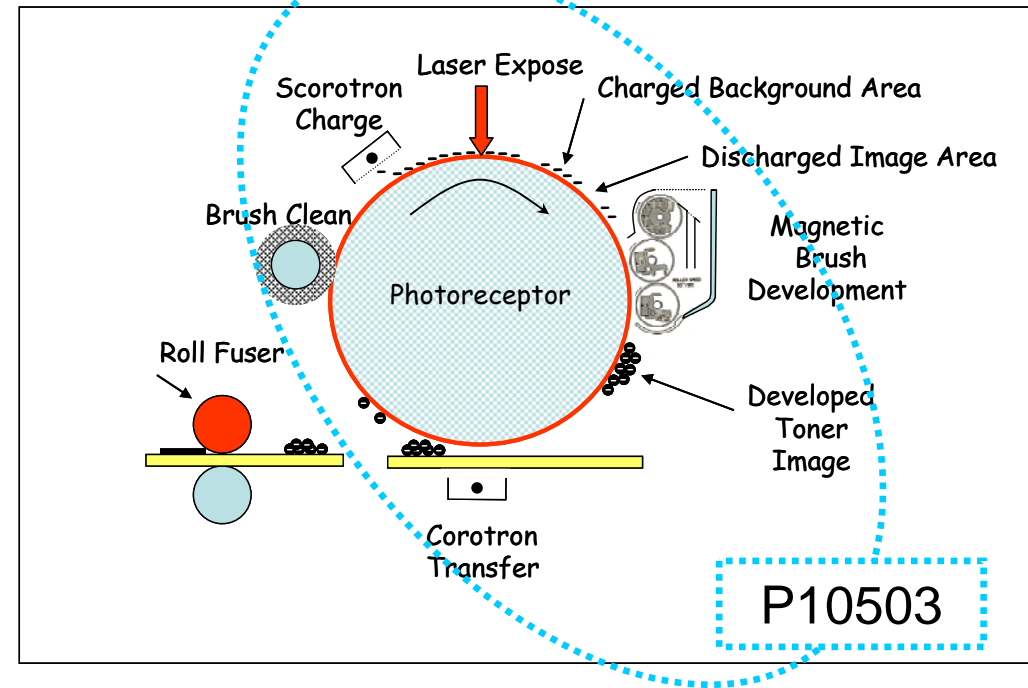
Previous Website:

<http://edge.rit.edu/content/P09503/public/Home>

New Website:

<https://edge.rit.edu/content/P10503/public/Home>

Typical Xerographic Print Engine



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P10505 - Low Energy Printing - Cold Pressure Fusing II

Guides: Bill Nowak & Mike Zona

Sponsor: Xerox Corporation

Customer: Grace Brewington & John Knapp

Continuation Project

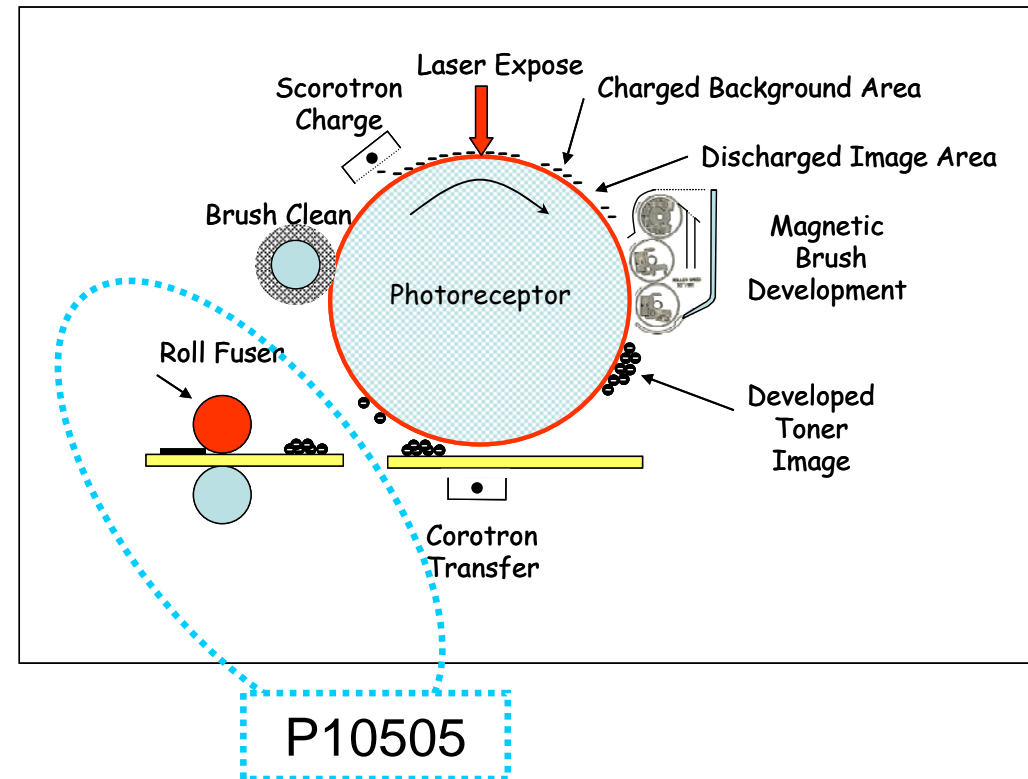
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New Website:

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Typical Xerographic Print Engine



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P10511 - Miniaturization of Xerography - Charging Device Characterization

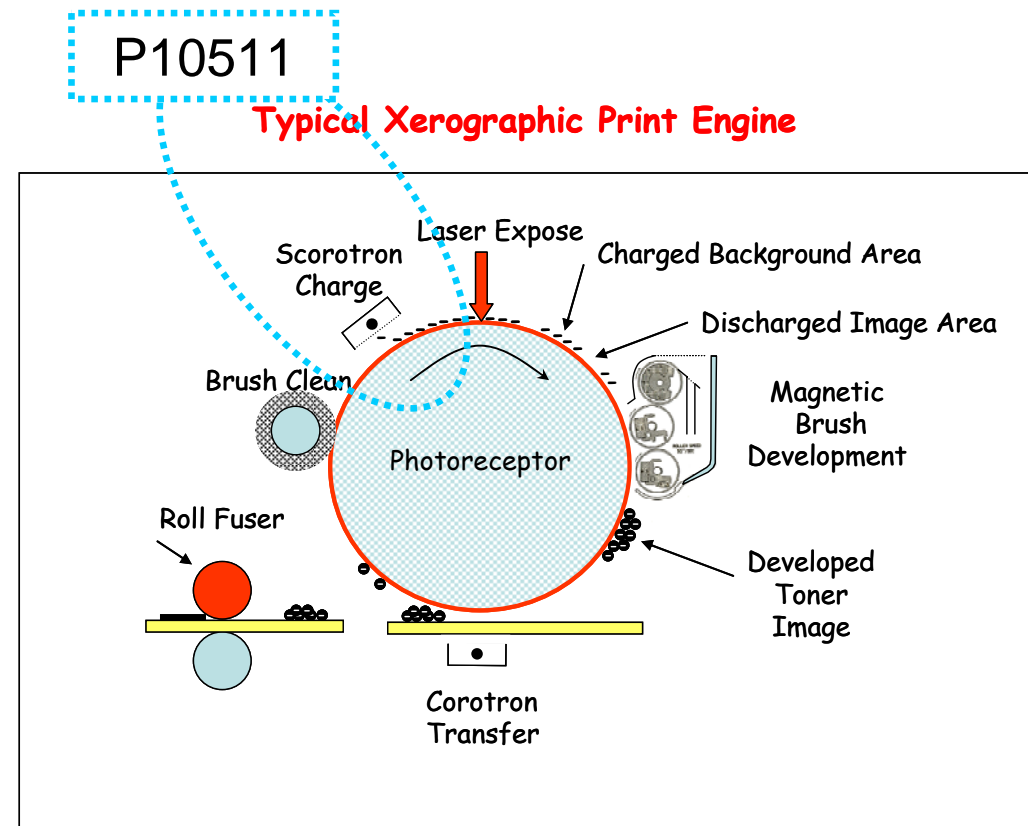
Guides: Mike Zona & Bill Nowak

Sponsor: Xerox Corporation

Customer: John Knapp & Dale Mashtare

New Project & Website:

<https://edge.rit.edu/content/P10511/public/Home>



P10500 - Printing Systems Family



P10531 - Piezo Electric Based Toner

Concentration/Tribo Sensor Development/Optimization

Typical Xerographic Print Engine

Guides: Gerry Garavuso & Bill Nowak

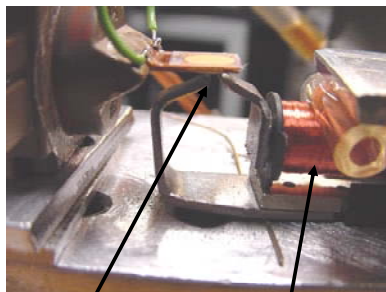
Sponsor: Xerox Corporation

Customer: Bill Wayman & Don Bott

New Project & Website:

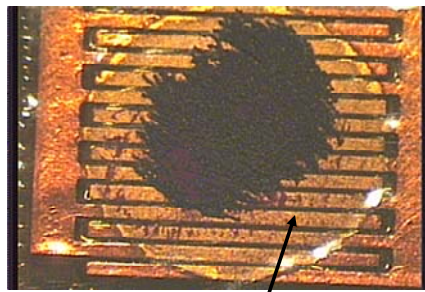
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System Photos

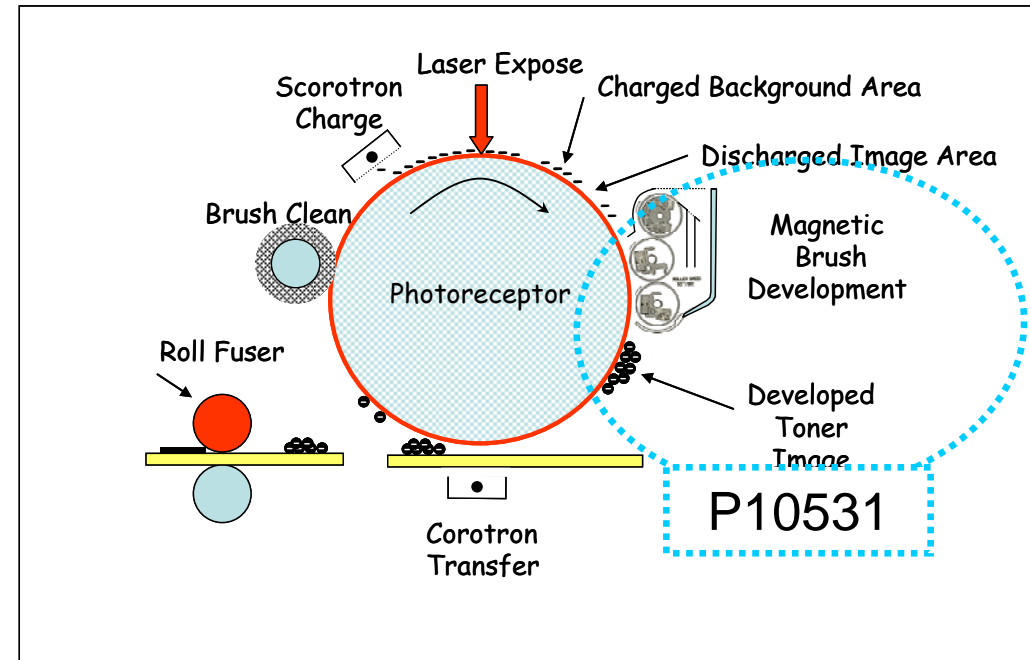


Gap for tangential fringe fields

Electromagnet



Inter-digital Lines



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P10541 - Micro-Gloss Measurement System Development & Optimization

Guides: Gerry Garavuso

Sponsor: Prism Lab

Customer: Jon Arney & Marcos Esterman

Continuation Project

Previous Website:

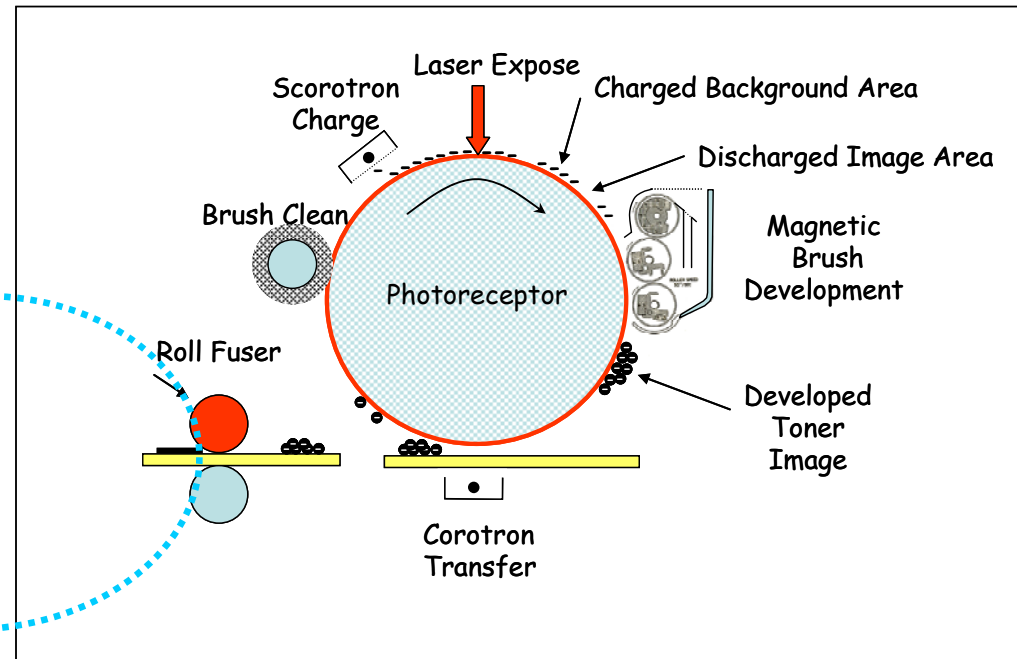
<https://edge.rit.edu/content/P08541/public/Home>

New Website:

<https://edge.rit.edu/content/P10541/public/Home>

P10531

Typical Xerographic Print Engine



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P10551 - Nano-Ink Deposition System

Guides: Denis Cormier & Gerry Garavuso

Sponsor: RIT

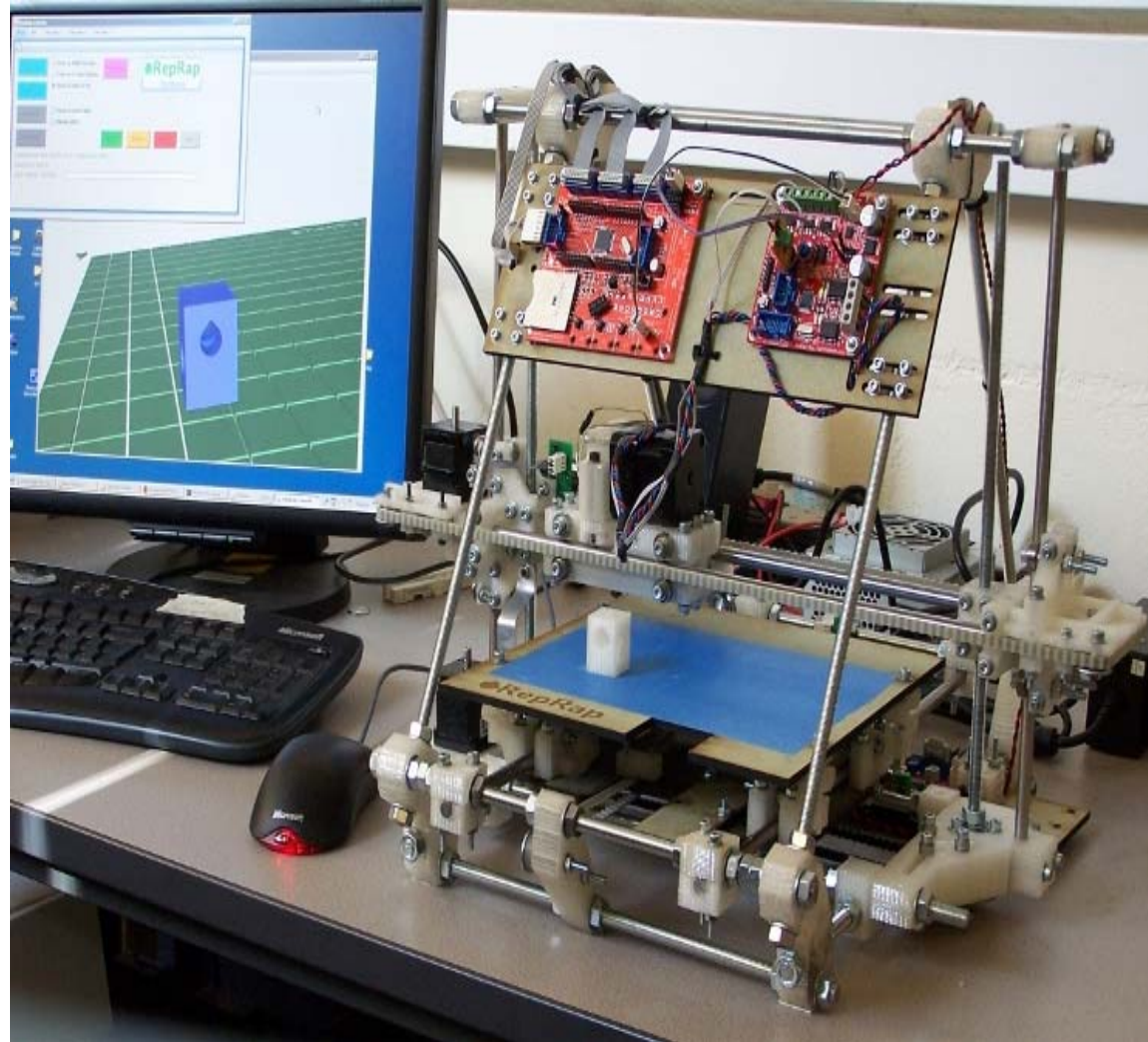
Customer: Denis Cormier

New Project & Website:

<https://edge.rit.edu/content/P10551/public/Home>

Demo Video

<http://reprap.org/bin/view/Main/WebHome>.



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What needs to happen the rest of today...

- Pizza in the Design Center @ 11:30
- Break-out Groups 1:30 PM Locations TBD
 - Individual teams meet with guides & customers
 - Familiarize the students with the project
 - Work with customers & guides to understand “Customer Needs”.
 - Make sure at least 1 person on the team is “scribing” notes for meeting minutes
- Teams reconvene in convenient place in or near Design Center
- As a Team decide on the following:
 - When you will meet during the week as a team (minimum 2 hours recommended)
 - It is strongly!, strongly!!, strongly!!! recommended you meet on Mondays or Tuesdays
 - P10503, P10505, P10511 & P10531 need to meet in the evening 5 PM or later so Guides from industry can attend.
 - P10541 & P10551 meet TBD...Again, Mondays or Tuesdays
 - Brainstorm and agree on “Team Logo” and add to presentation templates for rest of MSD
- Refer to myCourses for Week 1 course deliverables & by end of Friday
 - Work on Week 1 Deliverables.
 - Publish completed documents if any on website.
 - Publish meeting minutes of today’s meetings on the website.

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What needs to happen on Fridays...

Friday is MSD Day...

Friday AM's

- General lectures on Problem Solving, Pugh Concept Selection, etc.
- After lectures, Printing Systems Family to meet and do following:
 - 10-15 Minute Team Status Report to the Guides and the other Teams in Family
 - Logbook reviews by Guides and TA's
 - Guides and TA's looking for content in notebooks; ideas & inventions, calculations, project plans & mileposts, personal mileposts & deliverables, anything related to project which can help get it done for the team
 - Location TBD

Friday PM's

- Working Team meetings to process and complete weekly deliverables.
- Publish completed documents if any on website.
- Publish meeting minutes of today's meetings on the website.

Remember, you are a Team...Everyone has a role and everyone contributes...

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